

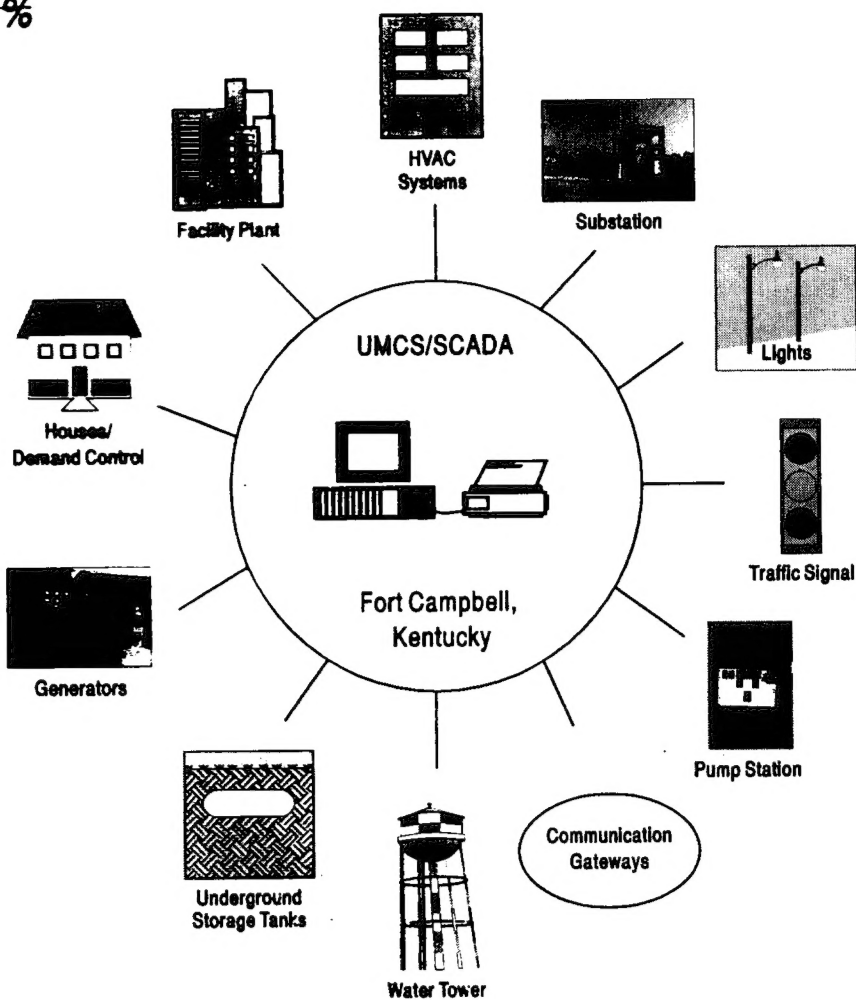
# FEASIBILITY STUDY, FY95S EEAP

## Utility Monitoring & Control System (UMCS)/ Supervisory Control and Data Acquisition (SCADA) System Fort Campbell, Kentucky

*PreFinal*

*Interim Report 60%*

*Field Notes*



CONTRACT #DACA01-94-D-0034  
SYSTEMS CORP PROJECT #94013.08  
AUGUST 18, 1995

**SYSTEMS***corp*

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION



Louisville District-  
US Army Corps  
of Engineers

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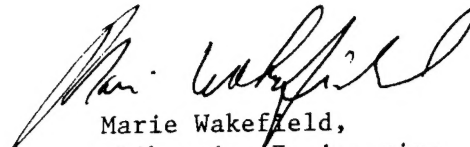


DEPARTMENT OF THE ARMY  
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS  
P.O. BOX 9005  
CHAMPAIGN, ILLINOIS 61826-9005

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# SURVEY FORMS

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## SURVEY FORMS

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The following survey forms are organized by building number. The building numbers are listed below.

38	3902	6254	6929
1501	5207	6390	6992
2577	5210	6551	7008
3717	5580	6555	7112
3725	5661	6559	7251
3759	5740	6628	7264
3763	6145	6920	7540

BUILDING NAME: LIBRARY

BLOG. NO. 38

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER LIBRARY

GROSS FLOOR AREA: 10,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

Title <u>ECD SURVEY FORM</u> <u>GENERAL BUILDING DATA</u>	Checked By _____	Date _____
Project <u>FY 95S EEAP - FT.</u>	Prepared By <u>GBL</u>	Sheet No. _____
	Job No. <u>94213</u>	<u>1 OF 1</u>

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 38

HEATING TYPE ☐ HW ☒ STEAM ☐ ELECTRIC

## AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AH-1	MULTI-ZONE		4		

NOTES: - SENSING HUMIDITY (1) SPACE ALSO - <sup>STEAM</sup> HUMIDIFIERS - NO REHEAT  
- WILL HAVE TO REPLACE DAMPER ACTUATORS - OLD

## CHILLERS/CONDENSING UNITS

AIR COOLED  
CONDENSER OUTSIDE  
SPLIT SYSTEM

### CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	<input type="checkbox"/> 2 COMPRESSORS - 30 TONS EACH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSATE WATER

PRESENT CONTROL

CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER	ON/OFF	TEMP
P-2	5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

BOILER  
HEATING SYSTEM

TYPE: ☐ HW ☒ SRAM ☐ ELECTRIC

BLOC. NO. 38

<u>BOILER</u> <u>DESIGNATION</u>	<u>TYPE</u>	<u>MBH/HZ</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>REQUIRED</u> <u>PRESSURE</u>
				<u>LW.T.</u>	<u>O.A.T.</u>	
<u>P-1</u>	<u>N.G. coil</u>	<u>2.0</u>	<u>15#</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. FE.</u>	<u>RESET CONTROL</u>		<u>CONTROL POINTS</u>	
			<u>RESET</u>	<u>ON/OFF W/WATER</u>	<u>RESET</u>	<u>TEMP</u>
<u>P-1</u>	<u>2</u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A.</u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>RESET</u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBH/HZ</u>	<u>CONTROL</u> <u>ON/OFF</u>	<u>POINTS REQUIRED</u> <u>TEMP</u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

BUILDING NAME: OFFICIN'S CLUB

BLOG. NO. 1501

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
DINING	6	6
OFFICE	12	6
KITCHEN	12	
BML RM	6	3

ESTIMATED NO. OF OCCUPANTS: 10 TO 100

GENERAL COMMENTS:

<p>Title ECD SURVEY FORM GENERAL BUILDING DATA</p>	<p>Checked By</p>	<p>Date</p>
<p>Project FY 95S EEAP - FT.</p>	<p>Prepared By GBL</p>	<p>Sheet No.</p>
	<p>Job No. 94013</p>	<p>1 OF 1</p>

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 1501

HEATING TYPE ☐ HW ☒ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
MZ-1	MULTIZONE		3		
MZ-2	MULTIZONE		3		
DINING RM	MULTIZONE		2		
KITCHENS	CONST. VOL. PREHEAT		1		
TRAIL ROOM	" "		1		

## NOTES:

- DINING RM MULTIZONE HAS 2 CONTROL DAMPERS ON O.A. - SET AT MIN. O.A.
- ALL STEAM PREHEAT COIL, STEAM & C.W. COILS - HOT TALK & COLD DECK
- MZ-1 SERVES 1ST FLOOR
- MZ-2 SERVES 2ND FLOOR OFFICES, BATHS, KITCHENS

## CHILLERS/CONDENSING UNITS

CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CU-1 100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

PRESENT CONTROL

CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF W/ CHILLER/TONnage	ON/OFF	TEMP
C.H. WATER	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

## BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ SRM ☐ ELECTRIC

BLDG. NO. 1501

BOILER DESIGNATION	TYPE GAS	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
B-1	C.I. SECT.	4.0 MBH output	10 #	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PULSATOR CONTROL	ON/OFF W/BOILER	O.A. RESET	CONTROL POINTS	
						SWITCH	TEMP
P-2	3		<input checked="" type="checkbox"/>	<input type="checkbox"/>		1	2
			<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>			

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBH/HZ	POSITION ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: NCO CLUB

BLOG. NO. 2577

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER CLUB

GROSS FLOOR AREA: ~15,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
DINING	6	6
OFFICE	12	6

ESTIMATED NO. OF OCCUPANTS: 5-75

GENERAL COMMENTS:

<p>Title ECD SURVEY FORM</p> <p>GENERAL BUILDING DATA</p>	<p>Checked By</p>	<p>Date</p>
<p>Project FY 95S EEAP - FT.</p>	<p>Prepared By GBL</p>	<p>Sheet No.</p>
	<p>Job No. 94015</p>	<p>1 OF 1</p>



# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. 2577

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AH-1	MULTIZONE	—	3	—	—
AH-2	MULTIZONE	—	5	—	—
AH-3	SZ	—	1	—	—
AH-4	MZ	—	5	2	—
AH-5	SZ	—	1	—	—
AH-6	SZ	—	1	—	—
AH-7	SZ	—	1	—	—
—	—	—	—	—	—

## NOTES:

AH-1 SERVES STAB BAR & COCKTAIL WUNGE - HAS FICE & BYPASS DAMPERS,  
2 REHEAT COILS - 10 TOTAL POINTS

AH-4 HAS SUPPLY & RETURN FAN 10 & 3 HP

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSER TEMP	ON/OFF	TEMP
CW-1	20	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
COND	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLOG. NO. 2577

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>B-1</u>	<u>N.G. STEAM</u>	<u>3350</u>	<u>150</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			Pressure	ON/OFF W/BLOCK	ON/OFF	TEMP
<u>P-2</u>	<u>2</u>	_____	<input checked="" type="checkbox"/> O.A.	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/> RESET	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	POINTS MONITORED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

STEAM - HW HX FOR HEAT

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: DINING FACILITY

BLOG. NO. 3717

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR

☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER DINING

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME

☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
DINING	6	7
KITCHEN	16	7

ESTIMATED NO. OF OCCUPANTS: 15 - STAFF

100 - DINERS

GENERAL COMMENTS:

3721 15 SAME

4061 " "

<p>Title ECD SURVEY FORM</p> <p>GENERAL BUILDING DATA</p>	<p>Checked By</p>	<p>Date</p>
<p>Project FY 95S EEAP - FT.</p>	<p>Prepared By GBL</p>	<p>Sheet No.</p>
	<p>Job No. 94712</p>	<p>1 OF 1</p>

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## COOLING SYSTEM

TYPE: ☒ DX ☐ CHILLED WATER

BLDG. NO. 3717

## AIR HANDLERS

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
11 EV-1	S.Z. HT ONLY	1	1	—	—
11 EV-2	S.Z. HT ONLY	1	1	—	—
HVAC-1	SINGLE ZONE FACTORY	1	1	—	—
HVAC-2	"	1	1	—	—
HVAC-3	"	1	1	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

## NOTES:

8 EXHAUST FANS @ 10 HP ON ROOF

13 EXHAUST FANS @ 5 HP ON ROOF

## CHILLERS/CONDENSING UNITS - NONE

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
NONE	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title

Checked By

Date

Prepared By

Project

Sheet No.

Job No.

BUILDING NAME:

BLOG. NO. 3725

OCCUPANCY TYPE: ☐ OFFICE ☒ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 200,000 SF NO. OF FLOORS 3

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 250

GENERAL COMMENTS:

3713, 3766, 3754, 4038, 4028,  
 4057, 4067 ARE SIMILAR

TWO PIPE FAN COILS IN EACH BARRACKS ROOM  
 DUAL TEMP FAN IN EACH BLDG.

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

Checked By

Prepared By

Job No.

Date

Sheet No.

9401

1 OF 1

BUILDING NAME: COMBAT HQ

BLOG. NO. 3759

OCCUPANCY TYPE: ☒ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>8</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

3755, 4013, 4017 ARE IDENTICAL

3680, 3686, 4062, 4068

?, 4054, 4029, 3767 ARE SIMILAR

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

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## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. 3759

HEATING TYPE ☐ HW ☒ STEAM ☐ ELECTRIC

### AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
MZ-1	MULTIZONE	1	3	—	—
MZ-2	"	1	3	—	—
MZ-3	"	1	3	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

NOTES:

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. TEMP	ON/OFF	TEMP
CWP-1	7.5	—	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

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BOILER  
HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLOG. NO. 3759

<u>BOILER</u> <u>DESIGNATION</u>	<u>TYPE</u>	<u>MBH/HZ</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>REQUIRED</u> <u>PRESSURE</u>
				<u>LW.T.</u>	<u>O.A.T.</u>	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PR.</u>	<u>PRESSURE CONTROL</u>		<u>CONTROL POINTS</u>	
			<u>PSI/HP</u>	<u>ON/OFF W/WATER</u>	<u>ON/OFF</u>	<u>TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES: STEAM FROM CENTRAL PLANT

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER PLANTS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBH/HZ</u>	<u>CONTROL</u> <u>ON/OFF</u>	<u>POINTS REQUIRED</u> <u>TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

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BUILDING NAME:

BLDG. NO. 3763

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☒ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 30,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>8</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

4021, 4025 ARE SIMILAR

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## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 3713

HEATING TYPE ☐ HW ☒ STEAM ☐ ELECTRIC

## AIR HANDLERS

## CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. ECONOMIZER
MZ-1	MULTI-TAKE	1	6	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

## NOTES:

FROM CENTRAL CW PLANT

## CHILLERS/CONDENSING UNITS

## CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

## PRESENT CONTROL

## CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
CW-P	2	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

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## COOLING SYSTEM

TYPE: ☐ DX ☐ CHILLED WATER

BLDG. NO. 3902

## AIR HANDLERS

HEATING TYPE ☐ HW ☐ STEAM ☐ ELECTRIC

## CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
NONE	CENTRAL PLANT				

## NOTES:

THIS IS THE  
- CENTRAL BOILER & CHILLER PLANT

- MAIN DIST. POINT FOR FUEL OIL #2, NO MONITORING AT PRESENT  
HAS CONCRETE BERM AROUND 1,000,000  
GALLON TANK

## CHILLERS/CONDENSING UNITS

DESIGNATION	TONS	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
				ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH-2	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH-3	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
CH-1, 2 & 3	40	(3) PRIMARY PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-27, 28, 30, 32	60	(4) SECONDARY PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-1, 2, 3	60	(3) ZONE PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-24, 25, 26	100	(3) COND. WT. PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		

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## BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLDG. NO. | 3902

BOILER DESIGNATION	TYPE	LB DISCH./HR	TEMP/PRESS	LW.T.	CONTROL POINTS O.A.T.	REQUIRED PRESSURE
B-1	GAS	15000	100 PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-2	"	15000	"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-3	"	15000	"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STEAM FLOW  
X  
X  
X

## PUMPS - ~~HW~~ FEEDWATER

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL O.A.T.	CONTROL POINTS STATUS	TEMP
P-16, 17	40	2 PUMPS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	DISCH. PR.	CONTROL STATUS	TEMP
(2) AIR COMPRESSORS	15 HP		<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	

NOTES:

- BAILEY DIRECT MASS FLOWMETER ON EACH BOILER
- USE 1 FOOT ON BOTH COMPRESSORS

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BUILDING NAME: TISA

BLDG. NO. 5207

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☒ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER

GROSS FLOOR AREA: 170,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
OFFICE	8-5	5
WAREHOUSE	8-5	5

ESTIMATED NO. OF OCCUPANTS: 20

GENERAL COMMENTS:

- 5210 IS SAME  
 ABOUT 1/2 SQUARE FOOTAGE OF THIS BLDG.
- 5202 IS COLD STORAGE  
 SAME SQ. FOOTAGE

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GENERAL BUILDING DATA

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## COOLING SYSTEM

TYPE: ☐ DX ☐ CHILLED WATER

BLDG. NO. 5207

HEATING TYPE ☐ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. ECONOMIZER
CU-1	AH UNIT				

## NOTES:

- COOLING FOR OFFICE AREA ONLY
- CHILLER IS AT 5210 - SERVES SMALL OFFICE AREAS OF 5210 & 5207

## CHILLERS/CONDENSING UNITS

DESIGNATION

CHILLER

COND. UNIT

CONTROL POINTS REQUIRED

ENTER. TEMP

LEAVING TEMP

SPACE TEMP

CU-1

☒ AIR  
COOL

☐ 60 TONS

☐

☐

☐

☐

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## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION

HP

DISCH. PRESS.

PRESENT CONTROL

MANUAL

OFF w/  
CHILLER/TOUR TEMP

CONTROL POINTS  
REQUIRED

ON/OFF

TEMP

P-1

3

☒

☐

☐

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BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLDG. NO. 207

<u>BOILER DESIGNATION</u>	<u>TYPE</u>	<u>MBH/HZ</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>REQUIRED PRESSURE</u>
				<u>LW.T.</u>	<u>O.A.T.</u>	
<u>2 BOILERS</u>	<u>GAS</u>	<u>2343 MBH</u>	<u>30#</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PR.</u>	<u>PUMP CONTROL</u>		<u>CONTROL POINTS</u>	
			<u>MANUAL</u>	<u>ON/OFF W/TEMP</u>	<u>ON/OFF</u>	<u>TEMP</u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBH/HZ</u>	<u>CONTROL</u>	<u>POINTS REQUIRED</u>
			<u>ON/OFF</u>	<u>TEMP</u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

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BUILDING NAME: TAYLOR DENTAL CLINIC

BLDG. NO. 5580

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER MEDICAL

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
ALL	10	5

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

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BUILDING NAME: LEE COMMUNITY CENTER

BLOG. NO. 1661

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
All	10	6

ESTIMATED NO. OF OCCUPANTS: 10-100

GENERAL COMMENTS:

CURRENTLY THE MAJORITY OF THE BUILDING  
IS UNDER RENOVATION.

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## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 5661

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AH-1	MULTI-ZONE		3		
AH-2	" "		3		
AH-3	SINGLE ZONE		1		
AH-4	SINGLE ZONE		1		

## NOTES:

- AH-3 was H & V now has chilled water
- Simultaneous heating & cooling possible - Both CO & HW Pump (5 HP) (2 HP)
- NEW N.G. BOILER - 2.2 MBH - HW

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> MR (CWP)	100 TONS <input type="checkbox"/> 4 COMPRESSORS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
P-1	10		<input checked="" type="checkbox"/>	<input type="checkbox"/>	+	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

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BUILDING NAME: MAIN THEATRE NOW BARRY TAYLOR BLOG. NO. 5740

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☒ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS /WK
<u>ALL</u>	<u>10</u>	<u>5</u>

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

- ON EMCS
- 2 CHILLERS 45 TONS EACH
- 10 HP PUMP
- 2 AHU's - 10,000 CFM EACH 10 HP FANS

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BUILDING NAME: WYOMING RECREATION CTR.

BLDG. NO. 6145

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 7000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER STUCCO & CONCRETE FRAME

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>1130-2200 M-F</u>	<u>5</u>
<u>ALL</u>	<u>1300-2200 S,S</u>	<u>2</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 20

GENERAL COMMENTS:

- BUILT IN 1974
- FORMERLY ENLISTED MEN'S SERVICE CLUB

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## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. 6145

HEATING TYPE ☐ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AC-1	MULTI-UNIT	7.5 DEGREE	3		
AC-2	C.V. REHEAT w/ FACE AIRWAYS		1 + 8.2		

## NOTES:

- EMCS CONTROL OF CHILLERS, A.H.U., PUMPS ARE ALL ON LOCAL
- EXISTING CONTROLS ARE PNEUMATIC
- 4 FAN COIL UNITS ALSO IN BUILDING (TWO-PIPE)
- AC-2 HAS R.A. <sup>SECTOR IN SPACE</sup> ~~CONTROL~~ FOR MODULATING FACE & BYPASS

## CHILLERS/CONDENSING UNITS

### CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> 55 TONS	<input checked="" type="checkbox"/> AIR COOLED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CH-2	<input checked="" type="checkbox"/> 55 TONS	<input checked="" type="checkbox"/> " "	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

### PRESENT CONTROL

### CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER/THRU TRAP	ON/OFF	TEMP
CW-1	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

## BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ STEAM ☐ ELECTRIC

BLDG. NO. 6145

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. FE.	PERCENT CONTROL		CONTROL POINTS	
			MINIMUM	ON/OFF	ON/OFF	TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES: STEAM FROM CENTRAL PLANT TO HX FOR HW HEATING

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: HEADQUARTERS

BLOG. NO. 6254

OCCUPANCY TYPE: ☒ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 2007 SF NO. OF FLOORS 3

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>6-6</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

6901 SIMILAR

Title <u>ECD SURVEY FORM</u> <u>GENERAL BUILDING DATA</u>	Checked By _____	Date _____
Project <u>FY 95S EEAP - FT.</u>	Prepared By <u>GGL</u>	Sheet No. _____
	Job No. <u>9401</u>	<u>1 OF 1</u>

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 7254

## AIR HANDLERS

HEATING TYPE ☐ HW ☐ STEAM ☐ ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

## NOTES:

- 2 PIPE FAN COILS IN SPACES - NO A.H.U.'S
- REFER TO PLAN FOR ZONE CONTROLS

## CHILLERS/CONDENSING UNITS

### DESIGNATION

### CHILLER

### COND. UNIT

### CONTROL POINTS REQUIRED

ENTER. TEMP

LEAVING TEMP

SPACE TEMP

CH-1

☒

4000W  
AIR COIL

SPLIT SYSTEM

2 COMPRESSORS

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## PUMPS - CHILLED WATER & CONDENSING WATER

### DESIGNATION

### HP

### DISCH. PRESS.

### PRESENT CONTROL

OFF W/  
CHILLER/TOURNAI PUMP

### CONTROL POINTS REQUIRED

ON/OFF

TEMP

DWP-1

1

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Title

Checked By

Date

Prepared By

Project

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Job No.



## BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ STEAM ☐ ELECTRIC

BLOG. NO. 6752

BOILER DESIGNATION	TYPE	MBH/KW	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
B-1	V.G.	22,000 MBH 5.5 KW		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FLUE GAS - HW

DESIGNATION	HP	DISCH. PR.	PERCENT CONTROL	ON/OFF W/BOILER	CONTROL POINTS	REQUIRED PRESSURE
			MAXIMUM		ON/OFF	TEMP
FGP-1	5		<input type="checkbox"/>	<input type="checkbox"/> O.A.		
			<input type="checkbox"/>	<input type="checkbox"/> RESET		
			<input type="checkbox"/>			
			<input type="checkbox"/>			

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/KW	CONTROL ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: COMMUNICATIONS BLDG.

BLOG. NO. 6390

OCCUPANCY TYPE: ☒ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER

GROSS FLOOR AREA: 8000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ 4" BRICK MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
ALL	12	5

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

BUILT IN 1984

Title ECD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
Project FY 95S EEAP - FT.	Prepared By GBL	Sheet No.
	Job No. 94013	1 OF 1

## COOLING SYSTEM

TYPE: ☒ DX ☐ CHILLED WATER BLDG. NO. 6390

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AC-1	MULTI-UNIT	10 HP	5		

### NOTES:

- EXISTING CONTROLS, DAMPER MOTORS ARE ELLISON-SOLMAN ELECTRIC 1254 VOLTAGE
- FAN RUNS CONTINUOUSLY
- NO EMCS IN BLDG.

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPEC. TEMP
ACCU-1	<input type="checkbox"/>	<input checked="" type="checkbox"/> 25 TONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF W/ CHILLER/COND. UNIT	ON/OFF	TEMP
NA			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

# SYSTEMS<sub>corp</sub>

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER  
HEATING SYSTEM

TYPE: ☒ HW ☐ STEAM ☐ ELECTRIC

BLOG. NO. 6390

<u>BOILER</u> <u>DESIGNATION</u>	<u>TYPE</u>	<u>MBTU/HR</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>REQUIRED</u> <u>PRESSURE</u>
				<u>L.W.T.</u>	<u>O.A.T.</u>	
<u>B-1</u>	<u>GAS</u>	<u>500,000</u> <sup>BTU</sup> / <sub>HR</sub>	<u>200 °F</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PR.</u>	<u>PRESENT</u> <u>CONTROL</u>	<u>ON/OFF</u> <u>W/RESET</u>	<u>ADJUST. POINTS</u> <u>RESET FOR</u>	
					<u>TEMP</u>	<u>TIME</u>
<u>HW P-1</u>	<u>1 1/2</u>	<u>      </u>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>O.A.</u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/> <u>RESET</u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>      </u>	<u>      </u>

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBTU/HR</u>	<u>CONTROL</u> <u>ON/OFF</u>	<u>ADJUST. POINTS</u> <u>TEMP</u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: SEALY BLDG. FT. BELT

BLDG. NO. 6551

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>24</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

BUILT IN 1980

- SIMULATORS NOT ON EMCS
- OCCUPANTS & DPW DO NOT WANT ON EMCS
- WILL MONITOR SPACE TEMP, <sup>HW</sup> AND CW TEMPS ONLY  
& EQUIPMENT STATUS WITH START/STOP CAPABILITY

Title ECD SURVEY FORM	Checked By	Date
GENERAL BUILDING DATA	Prepared By <u>GGL</u>	Sheet No.
Project FY 95S EEAP - FT.	Job No. <u>94013</u>	<u>1 OF 1</u>

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. \_\_\_\_\_

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
S-1	VAV - INITIAL		1 + 1 F.H.		
S-2	VAV - INITIAL		1 + 1 "		
S-3	CONST. VA RERENT		1 + 1		
S-4	"		1 + 1		
S-5	"		1 (NO H.H.)		

NOTES:

- CONTROLS ARE INDICATED

## CHILLERS/CONDENSING UNITS

DESIGNATION

CHILLER

COND. UNIT

CONTROL POINTS REQUIRED

ENTER. TEMP LEAVING TEMP SPACE TEMP

CH-1	<input checked="" type="checkbox"/> WESTINGHOUSE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CH-2	<input checked="" type="checkbox"/> CENTRAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION

HP

DISCH. PRESS.

PRESENT CONTROL

OFF w/ CHILLER/TOURNEY

CONTROL POINTS REQUIRED

ON/OFF TEMP

CHW-P-1	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CHW-P-2	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
COND-P-1	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
COND-P-2	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: ☐ HW ☐ STEAM ☐ ELECTRIC

BLDG. NO. 4551

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS REQUIRED		
				LW.T.	O.A.T.	PRESSURE
<u>3-1</u>	<u>STEAM</u>	<u>2367 MBH</u>	<u>1-55</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	SYSTEM	PUMP CONTROL		CONTROL POINTS REQUIRED	
				ON/OFF	W/BLOCK	TEMP	TIME
<u>HWP-1</u>	<u>3</u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A.</u>	<u>1</u>	<u>2</u>
<u>HWP-2</u>	<u>3</u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>RESET</u>	<u>1</u>	<u>2</u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>CONTROL</u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>ON</u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>HEAT EXCH.</u>	<u>      </u>	<u>      </u>

NOTES:

STEAM - HW BY FOR HEATING SYSTEM  
STEAM FOR HEATING SYSTEM

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/RT	MBH/HZ	CONTROL ON/OFF	POINTS REQUIRED TEMP
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>      </u>	<u>      </u>	<u>      </u>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: TOGUE Bldg

BLOG. NO. 6455

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: \_\_\_\_\_ SF NO. OF FLOORS \_\_\_\_\_

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: \_\_\_\_\_

GENERAL COMMENTS:

SAME AS 6451

- EXCEPT FOR THE NEW FLOOR

- FLOOR ARE 1357 SQ FT

- BUILT IN 1984

Title ECD SURVEY FORM  
 GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

Checked By

Date

Prepared By

GBL

Job No.

94017

Sheet No.

1 OF 1



## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 6555

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

### AIR HANDLERS

### CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
TCP-S-1	MZ RH	—	3 (2 R.O. + 1 R.H.)	—	—
S-2	MZ RH	—	3 (1 R.O. + 2 R.H.)	—	—
S-3	M.Z. RH	—	2 + 2 R.H.	—	—
S-4	M M Z	—	8 + 1 R.H.	—	—
S-5	S.Z. R.H.	—	1 + 1 R.H.	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

### NOTES:

2 Humidifiers ON S-5 (2 Room Hum. Sensors)  
 No Humidifier ON S-4 (RETURN AIR Hum. Sensor only)  
 1 " ON S-5 (1 Room Hum. Sensor)

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CH-2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
CH P-1	7.5	—	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CH P-2	7.5	—	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CWP-3	10	—	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CWP-4	10	—	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

BOILER  
HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLDG. NO. 6555

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				L.W.T.	O.A.T.	
B-1	GAS/OIL	2367	10#	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pressure - HW

DESIGNATION	HP	W/SCHE. PL.	PRESSURE CONTROL		CONTROL POINTS	
			ON/OFF	ON/OFF W/RESET	ON/OFF	TEMP
HWP-1	3		<input type="checkbox"/>	<input type="checkbox"/> O.A. RESET	1	2
HWP-2	3		<input type="checkbox"/>	<input type="checkbox"/> ON HW	1	2
			<input type="checkbox"/>	<input type="checkbox"/> HX		
			<input type="checkbox"/>			

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINT REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: FLIGHT SIM

BLOG. NO. 6559

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
ALL	24	7

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

1985 BUILDING

Title ECD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
Project FY 95S EEAP - FT.	Prepared By GBL	Sheet No.
	Job No. 94013	1 OF 1

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 6559

## AIR HANDLERS

HEATING TYPE ☐ HW ☐ STEAM ☐ ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
CH-1		60 TON			
CH-2		60 TON			
ACH-3		40 TON			
LIEBERT UNIT DX		10 TON DX			
		3 SECT. UNIT			

NOTES:

PNEUMATIC CONTROLS

## AHUS CHILLERS/CONDENSING UNITS

DESIGNATION	SZ RH CHILLER	HUMIDIFIER COND. UNIT	CONTROL POINTS REQUIRED	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
AH-1	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-2	<input type="checkbox"/> MZRH	<input checked="" type="checkbox"/> 1 HUMIDIFIER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/> 2 TEMP ZONES		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-4	<input type="checkbox"/> SZ COOLING	<input type="checkbox"/> ONLY WITH SPACE		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-3	<input type="checkbox"/> MZRH	<input type="checkbox"/> 5 ZONES		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
CHP-1	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CHP-2	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CWP-1	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CWP-2	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ SRAM ☐ ELECTRIC

BLDG. NO. 6559

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		
				LW.T.	O.A.T.	REQUIRED PRESSURE
B-1	GA/DL	2500	12#	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL	CONTROL POINTS	REQUIRED PRESSURE
			ON/OFF	ON/OFF W/RESET	TEMP
HWP-1	3		<input type="checkbox"/>	<input checked="" type="checkbox"/> O.A. RESET	
HWP-2	3		<input type="checkbox"/>	<input checked="" type="checkbox"/> ON HW	
			<input type="checkbox"/>	<input type="checkbox"/> HX	
			<input type="checkbox"/>	<input type="checkbox"/>	

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

## HYDRAULIC PUMPING UNIT

NOTES: MOTOR - 130 GPM 1200 PSI 100 HP

COCKPIT - 98 GPM 1000 PSI 7.5 HP

PREPARED BY: STEVE TRAY NICHOLSON

Title	Checked By	Date
	Prepared By	Sheet No.
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BUILDING NAME: SPARE HELIPORT

BLOG. NO. 6628

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☒ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 100,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☒ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>24</u>	<u>7</u>
<u>WAREHOUSE</u>	<u>74</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

Checked By \_\_\_\_\_

Prepared By GBL

Job No. 94017

Date \_\_\_\_\_

Sheet No. \_\_\_\_\_

1 OF 1

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. 6628

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

### AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AC-1	2 PIPE				
AC-2					
AC-3					
AC-4					
AC-5					
AC-6					

### NOTES:

- ALSO HAS UPS STATUS ON EXISTING LINES

## CHILLERS/CONDENSING UNITS

CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> GTON	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> AIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> COOL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

PRESENT CONTROL

CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
DTP	7 1/2		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Project

Prepared By

Sheet No.

Job No.

## BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ Steam ☐ Electric

BLDG. NO. 6628

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				L.W.T.	O.A.T.	
B-1	Furn oil	2660 MBH		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			Pressure	ON/OFF W/WATER	Pressure	TEMP
HWP-1 Domestic HW	7 1/2		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
RECIRC			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/ACW	MBH/HZ	CONTROL ON/OFF	CONTROL POINTS TEMP
AIR COMP.	30 HP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
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# SYSTEMS<sub>corp</sub>

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME:

BLOG. NO. 6920

OCCUPANCY TYPE: ☐ OFFICE ☒ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 15,000 SF NO. OF FLOORS 3

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
OFFICE	8-5	5
BARRACKS	6-6	7
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No. 94212	1 OF 1

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER BLDG. NO. 6920

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. E (ANOMIZED)
NA					

## NOTES:

- TWO-PIPE FAN COIL UNITS IN EACH ROOM
- SERVED BY CENTRAL PLANT CW & STEAM  
HX FOR HOT WATER HEATING

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/STEAM TEMP	ON/OFF	TEMP
DUAL TEMP PUMP	7.5		<input checked="" type="checkbox"/> EPCS	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

~~BOILER~~  
HEATING SYSTEM

TYPE: ☒ HW ☐ STEAM ☐ ELECTRIC

BLDG. NO. 6920

BOILER DESIGNATION	TYPE	MBH/HR	TEMP/PRESS	CONTROL POINTS		RETAINED PRESSURE
				L.W.T.	O.A.T.	
HEAT EXCHANGER	STEAM-HW			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PL.	PERCENT CONTROL		CONTROL POINTS	
			MINIMUM	MAXIMUM W/BYPASS	ON/OFF	TEMP
HWP	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
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Project	Job No.	Sheet No.

BUILDING NAME:

BLDG. NO. 6929

OCCUPANCY TYPE: ☐ OFFICE ☒ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 15,000 SF NO. OF FLOORS 3

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>8-5</u>	<u>5</u>
<u>BARRACKS</u>	<u>6-4</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

- ALL HAMMERHEAD BARRACKS ARE SIMILAR TO THIS BLDG. # 6920
- ONLY 14 OF BARRACKS HAVE ABSORPTION CHILLERS AND BOILERS LOCATED IN THEM, BUT ALL ARE SERVED BY THEM.

Title ECD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
Project FY 95S EEAP - FT.	Prepared By GBL	Sheet No.
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# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 6929

## AIR HANDLERS

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

## NOTES:

- TWO PIPE FAN COIL UNITS IN EACH ROOM

No air conditioning is to be provided on this model  
to allow for future requirements. - HX FOR HW HEATING

## CHILLERS/CONDENSING UNITS

### DESIGNATION

### CHILLER

### COND. UNIT

### CONTROL POINTS REQUIRED

ENTER. TEMP LEAVING TEMP SPACE TEMP

CH-1	<input checked="" type="checkbox"/> Absorption	<input type="checkbox"/> Carrier 16JBD10-734	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSATE WATER

### DESIGNATION

### HP

### DISCH. PRESS.

### PRESENT CONTROL

OFF w/  
CHILLER/CONDENSATE PUMP

### CONTROL POINTS REQUIRED

ON/OFF TEMP

(2) COND. WATER PUMPS	15	_____	<input checked="" type="checkbox"/> MANUAL	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

BOILER  
HEATING SYSTEM

TYPE: ☐ HW ☒ SRAM ☐ ELECTRIC

BLDG. NO. | 6929

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				L.W.T.	O.A.T.	
B-1, 2 & 3	N.G. SRAM	3350 MBH (100 HP)	25 PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 OF 3 ARE RUNNING - PROVIDE DOM. H.W. TO BARRACKS IN AREA

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		CONTROL POINTS IN AREA	
			MANUAL	ON/OFF HW/BOILER	ON/OFF	TEMP
DUAL PUMP HW	7.5	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
" " - CW	15	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS MONITORED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
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Project	Job No.	Sheet No.

BUILDING NAME: 1 ATMA TOWER

BLDG. NO. 6992

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER GYM

GROSS FLOOR AREA: 12,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>12 (9-9)</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

1/2 GYM - 20'5" HIGH CEILING

1/2 GYM - 2' HIGH CEILING

Title <u>ECD SURVEY FORM</u> <u>GENERAL BUILDING DATA</u>	Checked By _____	Date _____
Project <u>FY 95S EEAP - FT.</u>	Prepared By <u>GBL</u>	Sheet No. _____
	Job No. <u>94012</u>	<u>1 OF 1</u>

## COOLING SYSTEM

TYPE: ☒ DX ☐ CHILLED WATER BLDG. NO. 6992

HEATING TYPE: ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
MA-1	5 HP UNIT		4		
MA-2	5 HP UNIT		3		
HA-1	5 HP UNIT		1		
HA-2					

## NOTES:

- EXISTING DRAIN PIPING ARE INCOMPLETE IN COOL SHIP
- REPAIR TO BE COMPLETED BY LOCAL
- MA-2 NOT RUNNING

## CHILLERS/CONDENSING UNITS

CONTROL POINTS REQUIRED

DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
COND.-1	20 TON <input type="checkbox"/>	<input checked="" type="checkbox"/> PACKAGED UNIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

PRESENT CONTROL

CONTROL POINTS REQUIRED

DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF W/ CHILLER/CONDENSER UNIT	ON/OFF	TEMP
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

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Job No.



BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ SRM ☐ ELECTRIC

BLOG. NO. | 699Z

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
B-1	CAS	2.0 IN 1.6 OUT	200 °F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL	CONTROL POINTS	REQUIRED PRESSURE
			ON/OFF	ON/OFF	TEMP
HW-1	2		<input type="checkbox"/>	<input type="checkbox"/> O.A. Reset	1
			<input type="checkbox"/>		2
			<input type="checkbox"/>		
			<input type="checkbox"/>		

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
	Job No.	Sheet No.
Project		

## BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLDG. NO. 1008

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		CHECK POINTS RETAINED
				L.W.T.	O.A.T.	PRESSURE
B-1	STEAM	25106	100 ±	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-2	"	(750 HP) all 3 are same size		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-3	"	" "		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		CHECK POINTS RETAINED	
			TEMP	DISCH. W/BASE	TEMP	TIME
2 BOILER FW	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	4
1 BOILER RECIRC.	3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	CHECK POINTS RETAINED
				TEMP
AIR COMPRESSOR	15 HP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
" "	7.5 HP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME:

BLOG. NO. 7112

OCCUPANCY TYPE: ☐ OFFICE ☒ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 10,000 SF NO. OF FLOORS 3

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
ALL	12 (6-6)	7
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

7110 → SAME AS THIS BUILDING  
 7112, 7120

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

Checked By

Date

Prepared By

GSL

Job No.

94010

Sheet No.

1 OF 1

# SYSTEMS<sub>corp</sub>

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: ☐ DX ☒ CHILLED WATER

BLDG. NO. 7117

AIR HANDLERS

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T., ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOTES:

- 2-PIPE FAN COILS IN EACH ROOM
- STEAM FROM CENTRAL PLANT FOR HEAT

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	<u>CONTROL POINTS REQUIRED</u>		
			ENTER. TEMP	LEAVING TEMP	SPEC. TEMP
CH-1	<input checked="" type="checkbox"/> 40 TON	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	<u>PRESENT CONTROL</u>		<u>CONTROL POINTS REQUIRED</u>	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
CHWP-1	5	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title	Checked By	Date
	Prepared By	Sheet No.
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Project		

BUILDING NAME:

BLOG. NO.

7251  
7521

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☒ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☒ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
OFFICE	12	6
HANGAR	12	6
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 30

GENERAL COMMENTS:

- 8' MASONRY, METAL PANEL ABOVE
- 7243, 7249, 7245 ARE SAME

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No. 92015	1 OF 1

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: ☒ DX ☐ CHILLED WATER

BLDG. NO. 7251

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
3 AHU's	ROOF TOP S.E.	1	1		

NOTES:

BUILDING IS PREWIRED

- 6 AHU'S SERVE HANGAR - HW <sup>HEAT ONLY</sup>

- 2 AHU'S SERVE OFFICE AREA

- ALL AHU'S ARE ELECTRONIC CONTROLS

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	<u>CONTROL POINTS REQUIRED</u>		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSER WATER

DESIGNATION	HP	DISCH. PRESS.	<u>PRESENT CONTROL</u>		<u>CONTROL POINTS REQUIRED</u>	
			MANUAL	OFF w/ CHILLER/CONDENSER TEMP	ON/OFF	TEMP
NA			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

## BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ SRAM ☐ ELECTRIC

BLOG. NO. 7251

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				L.W.T.	O.A.T.	
B-1	Gas	3.0		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. FE.	PRESSURE CONTROL	CONTROL POINTS	REQUIRED PRESSURE
			MAXIMUM	ON/OFF L.W.T.	TEMP
P-1	2		<input type="checkbox"/>	<input checked="" type="checkbox"/> O.A. TEMP	1
			<input type="checkbox"/>	<input type="checkbox"/> RESET	2
			<input type="checkbox"/>		
			<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL	POINTS REQUIRED
			ON/OFF	TEMP
Air COMPRESSOR	2 <sup>MOTORS</sup> 20 HP EACH		<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: LANDGRAVE HANGAR

BLOG. NO. 7264

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☒ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☐ OTHER \_\_\_\_\_

GROSS FLOOR AREA: 100,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRTE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>12</u>	<u>6</u>
<u>HANGAR</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

7262 OWENS HANGAR  
 7268 ALCANTARA HANGAR  
 7272 JONES HANGAR

} PREWIRED  
 DITTO 7264

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project

FY 95S EEAP - FT.

Checked By

Date

Prepared By

GAL

Sheet No.

Job No.

94212

1 OF 1



## COOLING SYSTEM

TYPE: ☒ DX ☐ CHILLED WATER BLDG. NO. 7264

HEATING TYPE ☒ HW ☐ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AHU-1	VAV-BYPASS	1	20		
AHU-2 TWIN	HEV	1	1 EACH		

NOTES;

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CU-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSER UNIT	ON/OFF	TEMP
NA			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

## BOILER HEATING SYSTEM

TYPE: ☒ HW ☐ SRM ☐ ELECTRIC

BLOG. NO. 7264

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		RETAINED PRESSURE
				L.W.T.	O.A.T.	
P-1	N.G	6300 MBH	HW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL	ON/OFF	CONTROL POINTS	
					TEMP	TIME
P-1	3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	+	2
P-2	2		<input type="checkbox"/>	<input type="checkbox"/>	+	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL	POINTS REQUIRED
			ON/OFF	TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: C-RESEARCH BLDG. 20000 SF BLDG. NO. 7540

OCCUPANCY TYPE: ☐ OFFICE ☐ BARRACKS ☐ WAREHOUSE ☐ HANGAR  
☐ VEHICLE MAINT. ☐ CLASSROOM ☒ OTHER 64m

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: ☒ MASONRY ☐ CONCRETE ☐ WOOD FRAME ☐ METAL FRAME  
☐ OTHER \_\_\_\_\_

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 20

GENERAL COMMENTS:

Title <u>ECD SURVEY FORM</u> <u>GENERAL BUILDING DATA</u>	Checked By _____	Date _____
Project <u>FY 95S EEAP - FT.</u>	Prepared By <u>GBL</u>	Sheet No. _____
	Job No. <u>94013</u>	<u>1 OF 1</u>

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## COOLING SYSTEM

TYPE: ☐ DX ☐ CHILLED WATER

BLDG. NO. 7540

HEATING TYPE ☐ HW ☒ STEAM ☐ ELECTRIC

## AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
HV-1	S.Z.	5 HP	1		
HV-2	S.Z.	3 HP	1		

NOTES:

No COOLING

## CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
NA			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title

Checked By

Date

Project

Prepared By

Sheet No.

Job No.

# SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

## BOILER HEATING SYSTEM

TYPE: ☐ HW ☒ STEAM ☐ ELECTRIC

BLOG. NO. 7540

### BOILER DESIGNATION

### TYPE

### BTU/HZ

### TUMP/PRESS

### CONTROL POINTS

### REQUIRED PRESSURE

DESIGNATION	TYPE	BTU/HZ	TUMP/PRESS	LW.T.	O.A.T.	REQUIRED PRESSURE
B-1	GAS	2,000,000	15#	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### PUMPS - HW

### DESIGNATION

### HP

### DISCH. FE.

### PUMP CONTROL

### MANUAL

### ON/OFF W/PRESS

### CONTROL POINTS TEMP AND PRESSURE

DESIGNATION	HP	DISCH. FE.	MANUAL	ON/OFF W/PRESS	TEMP	PRESSURE
NA			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

## OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

### DESIGNATION

### SIZE - HP/KW

### MANUAL

### CONTROL ON/OFF

### POINTS REQUIRED TEMP

DESIGNATION	SIZE - HP/KW	MANUAL	CONTROL ON/OFF	POINTS REQUIRED TEMP
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title

Checked By

Date

Prepared By

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Sheet No.

## RED RIVER PUMPING STATION

3 PUMPS

1@ 450 HP

1@ 250 HP

1@ 100 HP

2300 V / 3

PH / 60 HZ

99 AMPS

"

"

58 AMPS

"

"

23 AMPS

3 Checks

1780 RPM Hz - 99 AMPS  
450 HP

INCOMING PHONE LINE EXISTS BUT IS DISCONNECTED

THREE NEW STARTERS FOR ALL 3

ALL 3

ARE SAME

SQUARE D CLASS 800 AC CONTROLLER

TYPE RCR1 MODEL Z SERIES A

2300 LINE VOLTS 200 MAX. AMPS

170 CONTROL VOLT

MVA. SYM. 210

HORIZ. BUS RATING 1000 AMPS

- 4 ELEC. UNIT HEATERS

Title

Checked By

Date

Prepared By

Project

Sheet No.

Job No.

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EMCS

ALL POINTS SUMMARY

---

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1 38	MZ-1	S/S	ON				
2 38	MZ-1	STATUS	ON				
3 38	MZ-1					73.4 DEG F	
4 38	MZ-1					46.1 % RH	
5 38	CH-1	E/D	LOCAL				
6 38	CH-1	STATUS	OFF				
7 38	CH-1	CHWP S/S	ON				
8 38	CH-1	CHWP STATUS	ON				
9 38	CH-1	RESET #1	LOCAL				
10 38	CH-1	RESET #2	LOCAL				
11 38	CH-1	RESET #3	LOCAL				
12 38	CH-1						
13 38	CH-1						
14 38	B-1	E/D	LOCAL				
15 38	B-1	STATUS	ON				
16 89	MZ-1	S/S	ON	NO COMM			
17 89	MZ-1	STATUS	OFF	NO COMM			
18 89	MZ-1						
19 89	DX UNIT	E/D	OFF	NO COMM			
20 89	DX UNIT	STATUS	OFF	NO COMM			
21 89	B-1	E/D	LOCAL				
22 89	B-1	STATUS	OFF	NO COMM			
23 89	B-1	HWP 1 S/S	ON	NO COMM			
24 89	B-1	HWP 1 STATUS	ON	NO COMM			
25 89	B-1	HWP 2 STATUS	ON	NO COMM			
26 91	MZ-1	S/S	ON				
27 91	MZ-1	STATUS	ON				
28 91	MZ-1						
29 91	HCHW SYSTEM	CH-1 E/D	OFF				
30 91	HCHW SYSTEM	CH-1 STATUS	OFF				
31 91	HCHW SYSTEM	CHW RESET #1	LOCAL				
32 91	HCHW SYSTEM	CHW RESET #2	LOCAL				
33 91	HCHW SYSTEM	CHWP STATUS	OFF				
34 91	HCHW SYSTEM	CTF STATUS	OFF				
35 91	HCHW SYSTEM	B-1 E/D	LOCAL				
36 91	HCHW SYSTEM	B-1 STATUS	OFF				
37 91	HCHW SYSTEM	DTP S/S	ON				
38 91	HCHW SYSTEM	DTP STATUS	ON				
39 91	HCHW SYSTEM						
40 91	HCHW SYSTEM						
41 91	HCHW SYSTEM						
42 91	HCHW SYSTEM						
43 91	HCHW SYSTEM						
44 93	AH-1	S/S	ON	NO COMM			
45 93	AH-1	STATUS	OFF	NO COMM			
46 93	AH-1						



## LL POINTS SUMMARY

## FORT CAMPBELL PRIMARY

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BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
47 93	AIR SYS	S/S	ON	NO COMM			
48 93	AIR SYS	STATUS	OFF	NO COMM			
49 93	CHILLERS	CH-1 E/D	LOCAL	NO COMM			
50 93	CHILLERS	CH-1 STATUS	OFF	NO COMM			
51 93	CHILLERS	CH-1 RESET #1	LOCAL	NO COMM			
52 93	CHILLERS	CH-1 RESET #2	LOCAL	NO COMM			
53 93	CHILLERS	CH-1 RESET #3	LOCAL	NO COMM			
54 93	CHILLERS	CH-2 E/D	LOCAL	NO COMM			
55 93	CHILLERS	CH-2 STATUS	OFF	NO COMM			
56 93	CHILLERS	CH-2 RESET #1	LOCAL	DISABLE			
57 93	CHILLERS	CH-2 RESET #2	LOCAL	DISABLE			
58 93	CHILLERS	CH-2 RESET #3	LOCAL	DISABLE			
59 93	CHILLERS	CH-2 S/S	ON	NO COMM			
60 93	CHILLERS	CHWP S/S	OFF	NO COMM			
61 93	CHILLERS	CHWP STATUS	OFF	NO COMM			
62 5702	DX UNIT				CHWS 1 TEMP	32.2 DEG F	NO COMM
63 93	CHILLERS				COMP STAGE	0.0	NO COMM
64 93	B-1	E/D	OFF	NO COMM	CHWR TEMP	76.3 DEG F	NO COMM
65 93	B-1	STATUS	OFF	NO COMM			
66 96	AH-1	S/S	ON	NO COMM			
67 96	AH-1	STATUS	OFF	NO COMM			
68 96	AH-1				RA TEMP	76.5 DEG F	NO COMM
69 96	DX UNIT	E/D	OFF	NO COMM			
70 96	DX UNIT	STATUS	OFF	NO COMM			
71 2577	AH-1	S/S	ON	ALARM			
72 2577	AH-1	STATUS	OFF				
73 2577	AH-1				RA TEMP	71.7 DEG F	
74 2577	AH-2	S/S	ON				
75 2577	AH-2	STATUS	ON				
76 2577	AH-2				RA TEMP	68.0 DEG F	
77 2577	AH-3	S/S	ON				
78 2577	AH-3	STATUS	OFF	DISABLE			
79 2577	AH-3				RA TEMP	69.9 DEG F	
80 2577	AH-4	S/S	ON				
81 2577	AH-4	STATUS	OFF	DISABLE			
82 2577	AH-4	RAE STATUS	OFF	DISABLE			
83 2577	AH-4	DAY	DAY				
84 2577	AH-4	NIGHT	DAY				
85 2577	AH-4				RA TEMP	75.4 DEG F	
86 2577	AH-6	S/S	ON				
87 2577	AH-6	STATUS	OFF	DISABLE			
88 2577	AH-6				RA TEMP	69.0 DEG F	

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
89 2577	AH-7	S/S	ON				
90 2577	AH-7	STATUS	ON				
91 2577	AH-7				RA TEMP	66.6	DEG F
92 2577	HV-1	S/S	ON				
93 2577	HV-1	STATUS	OFF	DISABLE	RA TEMP	62.7	DEG F
94 2577	HV-1						
95 2577	CH-1	E/D	OFF				
96 2577	CH-1	STATUS #1	OFF				
97 2577	CH-1	CHWP S/S	OFF				
98 2577	CH-1	CHWP STATUS	ON	ALARM			
99 2577	CH-1	STATUS #2	OFF				
100 2577	CH-1	STATUS #3	OFF				
101 2577	CH-1				CHWS TEMP	82.4	DEG F
102 2577	CH-1				CHWR TEMP	82.2	DEG F
103 2577	B-1	RFE	OFF				
104 6711	HCHW SYSTEM				SYS PRESS	41.2	PSI
105 6718	HCHW SYSTEM				SYS PRESS	39.6	PSI
106 6711	HCHW SYSTEM				STEAM	-0.1	KLUSM
107 6711	HCHW SYSTEM				ENERGY	-169.0	KETUM
108 2577	CH-1	STATUS #4	OFF				
109 6711	HCHW SYSTEM				ENTHALPY	1173.9	BTU/LB
110 2577	CH-1	STATUS #5	OFF				
111 6726	HCHW SYSTEM				SYS PRESS	35.6	PSI
112 6732	HCHW SYSTEM				SYS PRESS	39.7	PSI
113 6774	HCHW SYSTEM				SYS PRESS	37.3	PSI
114 6776	HCHW SYSTEM				SYS PRESS	39.8	PSI
115 6781	HCHW SYSTEM				SYS PRESS	36.0	PSI
116 2577	B-1	E/D	LOCAL				
117 2577	B-1	STATUS	INTR				
118 2702	AC-1	S/S	ON	NO COMM			
119 2702	AC-1	STATUS	OFF	DISABLE			
120 2702	AC-1	C-1 E/D	LOCAL	NO COMM			
121 2702	AC-1	C-1 STATUS	OFF	NO COMM			
122 2702	AC-1				RA TEMP	121.4	DEG F
123 2702	AC-2	S/S	ON	NO COMM			
124 2702	AC-2	STATUS	OFF	DISABLE			
125 2702	AC-2	C-1 E/D	LOCAL	NO COMM			

FORT CAMPBELL PRIMARY

ALL POINTS SUMMARY

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
126 2702	AC-2	C-1 STATUS	OFF	NO COMM	RA TEMP	123.2	DEG F NO COMM
127 2702	AC-2	S/S STATUS	ON	NO COMM			
128 2702	AC-3	C-1 E/D	OFF	NO COMM			
129 2702	AC-3	C-1 STATUS	LOCAL	NO COMM			
130 2702	AC-3	C-1 STATUS	OFF	NO COMM			
131 2702	AC-3				RA TEMP	121.8	DEG F NO COMM
132 2702	AC-3						
133 2702	AC-4	S/S STATUS	ON	NO COMM			
134 2702	AC-4	C-1 E/D	OFF	NO COMM			
135 2702	AC-4	C-1 STATUS	LOCAL	NO COMM			
136 2702	AC-4		OFF	NO COMM			
137 2702	AC-4				RA TEMP	120.7	DEG F NO COMM
138 2702	HV-1	S/S STATUS	ON	NO COMM			
139 2702	HV-1		OFF	DISABLE			
140 2702	B-1	E/D STATUS	LOCAL	NO COMM			
141 2702	B-1		OFF	NO COMM			
142 3411	AC-1	S/S STATUS	ON	ALARM			
143 3411	AC-1		OFF				
144 3411	CH-1	E/D	OFF		SP TEMP	69.9	DEG F
145 3411	AC-1						
146 3411	CH-1	STATUS	OFF				
147 3411	B-1	E/D STATUS	LOCAL				
148 3411	B-1	HWP S/S	OFF				
149 3411	B-1	HWP STATUS	ON				
150 3411	B-1		ON				
151 3902	CH-1	S/S STATUS	OFF		CHWS TEMP	57.9	DEG F
152 3902	CH-1	CHWP S/S	OFF		CHWR TEMP	53.1	DEG F
153 3902	CH-1	CHWP STATUS	OFF		CWS TEMP	57.1	DEG F
154 3902	CH-1	CWP STATUS	OFF		CWR TEMP	56.3	DEG F
155 3902	CH-1	CIF STATUS	OFF		CW RESET	-10.0	DEG F
156 3902	CH-1						
157 3902	CH-1						
158 3902	CH-1						
159 3902	CH-1						
160 3902	CH-1						
161 3902	CH-1						
162 3902	CH-2	S/S STATUS	OFF		CHWS TEMP	60.1	DEG F
163 3902	CH-2	CHWP S/S	OFF				
164 3902	CH-2	CHWP STATUS	OFF				
165 3902	CH-2	CWP STATUS	OFF				
166 3902	CH-2	CIF STATUS	OFF				
167 3902	CH-2						
168 3902	CH-2						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
169 3902	CH-2				CHWR TEMP	54.3	DEG F
170 3902	CH-2				CWS TEMP	58.1	DEG F
171 3902	CH-2				CWR TEMP	59.7	DEG F
172 3902	CH-2				CW RESET	-10.0	DEG F
173 3902	CH-3	S/S	OFF				
174 3902	CH-3	STATUS	OFF				
175 3902	CH-3	CHWP S/S	OFF				
176 3902	CH-3	CWP STATUS	OFF				
177 3902	CH-3	CIF STATUS	OFF				
178 3902	CH-3						
179 3902	CH-3						
180 3902	CH-3				CHWS TEMP	70.7	DEG F
181 3902	CH-3				CWR TEMP	32.0	DEG F
182 3902	CH-3				CW RESET	58.1	DEG F
183 3902	CH-3					57.9	DEG F
184 4013	MZ-1	S/S	ON	NO COMM		-10.0	DEG F
185 4013	MZ-1	STATUS	ON	NO COMM			
186 4013	MZ-1				SP TEMP	207.8	DEG F
187 4013	CHW PUMP						
188 4013	CHW PUMP	S/S	OFF	NO COMM			
189 4025	MZ-1	STATUS	OFF	NO COMM			
190 4025	MZ-1	S/S	ON				
191 4025	MZ-1	STATUS	ON		RA TEMP	80.9	DEG F
192 4025	CHW PUMP	S/S	OFF				
193 4025	CHW PUMP	STATUS	OFF				
194 4028	WATER PUMP	S/S	ON	NO COMM			
195 4028	WATER PUMP	STATUS	ON	NO COMM			
196 4038	WATER PUMP	S/S	ON	NO COMM			
197 4038	WATER PUMP	STATUS	ON	DISABLE			
198 4039	WATER PUMP	S/S	ON	NO COMM			
199 4039	WATER PUMP	STATUS	ON	NO COMM			
200 4053	WATER PUMP	S/S	ON	NO COMM			
201 4053	WATER PUMP	STATUS	ON	NO COMM			
202 4061	AH-1	S/S	ON	NO COMM			
203 4061	AH-1	STATUS	OFF	NO COMM	RA TEMP	75.0	DEG F
204 4061	AH-1						
205 4061	AH-2	S/S	ON	NO COMM			
206 4061	AH-2	STATUS	ON	NO COMM	RA TEMP	40.6	DEG F
207 4061	AH-2						
208 4061	AH-3	S/S	ON	NO COMM			
209 4061	AH-3	STATUS	OFF	NO COMM	RA TEMP	32.2	DEG F
210 4061	AH-3						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
211 4061	HV-1	S/S	ON	NO COMM			
212 4061	HV-1	STATUS	OFF	NO COMM			
213 4061	HV-2	S/S	ON	NO COMM			
214 4061	HV-2	STATUS	OFF	DISABLE			
215 4061	HV-3	S/S	ON	NO COMM			
216 4061	HV-3	STATUS	OFF	NO COMM			
217 5580	AH-1	S/S	ON	NO COMM			
218 5580	AH-1	STATUS	ON	NO COMM			
219 5580	AH-1	RAE STATUS	ON	NO COMM			
220 5580	AH-1					68.0	DEG F NO COMM
221 5580	CH-1	STATUS	OFF	NO COMM			
222 5580	CH-1	CHWP S/S	OFF	NO COMM			
223 5580	CH-1	CHWP STATUS	ON	NO COMM			
224 5580	CH-1	RESET #1	LOCAL	NO COMM			
225 5580	CH-1	RESET #2	LOCAL	NO COMM			
226 5580	CH-1	RESET #3	LOCAL	NO COMM			
227 5580	CH-1					103.8	DEG F NO COMM
228 5580	CH-1					114.1	DEG F NO COMM
229 5580	B-1	E/D	OFF	NO COMM			
230 5580	B-1	STATUS	OFF	NO COMM			
231 5580	B-1	HWP S/S	OFF	NO COMM			
232 5580	B-1	HWP STATUS	OFF	NO COMM			
233 5661	AH-1	S/S	ON	NO COMM			
234 5661	AH-1	STATUS	ON	NO COMM			
235 5661	AH-1					69.0	DEG F NO COMM
236 5661	AH-2	S/S	ON	NO COMM			
237 5661	AH-2	STATUS	ON	NO COMM			
238 5661	AH-2					73.0	DEG F NO COMM
239 5661	AH-3	S/S	ON	NO COMM			
240 5661	AH-3	STATUS	ON	NO COMM			
241 5661	AH-3					76.1	DEG F NO COMM
242 5661	AH-4	S/S	ON	NO COMM			
243 5661	AH-4	STATUS	ON	NO COMM			
244 5661	AH-4					65.6	DEG F NO COMM
245 5661	CHILLERS	COMP #1	OFF	NO COMM			
246 5661	CHILLERS	COMP #2	ON	NO COMM			
247 5661	CHILLERS	CHWP S/S	OFF	NO COMM			
248 5661	CHILLERS	CHWP STATUS	OFF	DISABLE			
249 5661	CHILLERS	COMP #3	OFF	NO COMM			
250 5661	CHILLERS	COMP #4	OFF	NO COMM			
251 5661	CHILLERS	RESET #3	LOCAL	DISABLE			
252 5661	CHILLERS					76.9	DEG F NO COMM
253 5661	CHILLERS					77.5	DEG F NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
254 5661	B-1	E/D	LOCAL	NO COMM			
255 5661	B-1	STATUS	ON	NO COMM			
256 5661	B-1	HWP S/S	ON	NO COMM			
257 5661	B-1	HWP STATUS	ON	NO COMM			
258 5663	AH-1	S/S	ON	NO COMM			
259 5663	AH-1	STATUS	OFF	DISABLE			
260 5663	AH-1					61.3	DEG F NO COMM
261 5663	DX UNIT	E/D	OFF	NO COMM			
262 5663	DX UNIT	C-1 STATUS	OFF	NO COMM			
263 5663	DX UNIT	C-2 STATUS	OFF	NO COMM			
264 6929	HCHW SYSTEM					35.7	PSI
265 5663	B-1	E/D	LOCAL	NO COMM			
266 5663	B-1	STATUS	OFF	NO COMM			
267 5702	AH-1	S/S	OFF	NO COMM			
268 5702	AH-1	STATUS	ON	NO COMM			
269 5702	AH-1					32.2	DEG F NO COMM
270 5702	DX UNIT	STATUS	OFF	NO COMM			
271 5702	DX UNIT	E/D	OFF	NO COMM			
272 5702	DX UNIT	C-1 STATUS	OFF	NO COMM			
273 5702	DX UNIT	C-2 STATUS	OFF	NO COMM			
274 5702	DX UNIT					0.0	NONE NO COMM
275 7206	HW PUMP					69.2	DEG F NO COMM
276 7210	HW PUMP					73.4	DEG F NO COMM
277 6936	HCHW SYSTEM					35.3	PSI
278 6938	HCHW SYSTEM					41.2	PSI NO COMM
279 6944	HCHW SYSTEM					38.8	PSI NO COMM
280 5702	DX UNIT					57.0	VOLTS NO COMM
281 5702	B-1	E/D	OFF	NO COMM			
282 5702	B-1	STATUS	ON	NO COMM			
283 5702	B-1	HWP S/S	OFF	NO COMM			
284 5702	B-1	HWP STATUS	OFF	DISABLE			
285 5740	AH-1	S/S	ON				
286 5740	AH-1	STATUS	ON				
287 5740	AH-1					71.3	DEG F
288 5740	PROJ AH	S/S	ON				
289 5740	PROJ AH	STATUS	OFF	ALARM			
290 5740	CHILLERS	CH-1 STATUS	OFF				
291 5740	CHILLERS	CHWP S/S	ON				

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
292 5740	CHILLERS	CHWP STATUS	ON	DISABLE			ALARM
293 5740	CHILLERS	CH-1 RESET #1	LOCAL	DISABLE			ALARM
294 5740	CHILLERS	CH-1 RESET #2	LOCAL	DISABLE			ALARM
295 5740	CHILLERS	CH-2 RESET #1	LOCAL				
296 5740	CHILLERS	CH-2 RESET #2	LOCAL				
297 5740	CHILLERS				CHWS TEMP	35.2 DEG F	ALARM
298 5740	CHILLERS				CHWR TEMP	40.8 DEG F	ALARM
299 5875	AH-1	S/S	ON	NO COMM			
300 5875	AH-1	STATUS	ON	NO COMM			
301 5875	AH-1				SP TEMP	73.6 DEG F	NO COMM
302 5875	MZ-1	S/S	ON	NO COMM			
303 5875	MZ-1	STATUS	ON	NO COMM			
304 5875	DX UNIT 1	DX-1 E/D	OFF	NO COMM			
305 5875	DX UNIT 2	DX-2 E/D	OFF	NO COMM			
306 5875	DX UNIT 1	DX-1 STATUS	OFF	NO COMM			
307 5875	DX UNIT 2	DX-2 STATUS	OFF	NO COMM			
308 5980	AH-1	S/S	ON	NO COMM			
309 5980	AH-1	STATUS	OFF	NO COMM			
310 5980	MZ-1	S/S	ON	NO COMM			
311 5980	MZ-1	STATUS	ON	NO COMM	RA TEMP	64.7 DEG F	NO COMM
312 5980	MZ-1						
313 5980	CH-1	E/D	OFF	NO COMM			
314 5980	CH-1	STATUS #1	OFF	NO COMM			
315 5980	CH-1	CHWP STATUS	ON	DISABLE			
316 5980	CH-1	OFF CHWP STA	ON	NO COMM			
317 5980	CH-1	OR CHWP STA	OFF	NO COMM			
318 5980	CH-1	STATUS #2	OFF	NO COMM			
320 5980	CH-1	CHWP S/S	OFF	DISABLE			
321 5980	CH-1	OFF CHWP S/S	OFF	DISABLE			
322 5980	CH-1	OR CHWP S/S	OFF	DISABLE			
323 5980	HW PUMP	HW P-1 S/S	ON	NO COMM			
324 5980	CH-1				CHWS TEMP	32.0 DEG F	DISABLE
325 5980	CH-1				CHWR TEMP	32.2 DEG F	DISABLE
329 5980	HW PUMP	HW P-2 S/S	OFF	DISABLE			
330 5980	HW PUMP	HW P-1 STATUS	ON	NO COMM			
331 5980	HW PUMP	HW P-2 STATUS	ON	NO COMM			
332 6145	AC-1	S/S	ON	NO COMM			
333 6145	AC-1	STATUS	ON	NO COMM			
334 6145	AC-1				RA TEMP	77.5 DEG F	NO COMM
335 6145	AC-2	S/S	ON	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
336 6145	AC-2	STATUS	ON	NO COMM	RA TEMP	75.9	DEG F NO COMM
337 6145	AC-2	STATUS	ON	NO COMM	RA TEMP	75.9	DEG F NO COMM
338 6145	CHILLERS	CH-1 STATUS	OFF	NO COMM	CHWS TEMP	71.1	DEG F NO COMM
339 6145	CHILLERS	CH-2 STATUS	OFF	NO COMM	CHWR TEMP	71.9	DEG F NO COMM
340 6145	CHILLERS	CHWP E/D	OFF	NO COMM	CHW RESET	-10.0	DEG F NO COMM
341 6145	CHILLERS	CHWP STATUS	ON	NO COMM			
342 6145	CHILLERS	REE #1	OFF	NO COMM			
343 6145	CHILLERS	REE #2	OFF	NO COMM			
344 6145	CHILLERS	CH-2 RESET	OFF	DISABLE			
345 6145	CHILLERS	REE #4	OFF	NO COMM			
346 6145	CHILLERS						
347 6145	CHILLERS						
348 6145	CHILLERS						
349 6145	HW PUMP	S/S STATUS	ON	NO COMM	SP TEMP	64.3	DEG F NO COMM
350 6145	HW PUMP	S/S STATUS	ON	NO COMM	SP TEMP	64.3	DEG F NO COMM
351 6628	HV-1	S/S STATUS	ON	NO COMM			
352 6628	HV-1	S/S STATUS	OFF	DISABLE			
353 6628	HV-1	S/S STATUS	ON	NO COMM			
354 6628	HV-2	S/S STATUS	ON	NO COMM			
355 6628	HV-2	S/S STATUS	ON	NO COMM			
356 6628	HV-3	S/S STATUS	ON	NO COMM			
357 6628	HV-3	S/S STATUS	ON	NO COMM			
358 6628	HV-4	S/S STATUS	ON	NO COMM			
359 6628	HV-4	S/S STATUS	OFF	DISABLE			
360 6628	HV-5	S/S STATUS	ON	NO COMM			
361 6628	HV-5	S/S STATUS	OFF	NO COMM			
362 6628	HV-6	S/S STATUS	ON	NO COMM			
363 6628	HV-6	S/S STATUS	OFF	NO COMM			
364 6628	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
365 6628	HCHW SYSTEM	DTP S/S	ON	NO COMM			
366 6628	HCHW SYSTEM	DTP STATUS	ON	NO COMM			
367 6628	HCHW SYSTEM	RESET #1	LOCAL	NO COMM			
368 6628	HCHW SYSTEM	RESET #2	LOCAL	DISABLE			
369 6628	HCHW SYSTEM	RESET #3	LOCAL	DISABLE			
370 6628	HCHW SYSTEM	B-1 E/D	LOCAL	NO COMM			
371 6628	HCHW SYSTEM	B-1 STATUS	ON	NO COMM			
372 6628	HCHW SYSTEM	HWP S/S	ON	NO COMM			
373 6628	HCHW SYSTEM	HWP STATUS	ON	NO COMM			
374 6628	HCHW SYSTEM						
375 6628	HCHW SYSTEM						
376 6709	DT PUMP	S/S STATUS	ON	NO COMM	CHWS TEMP	68.6	DEG F NO COMM
377 6709	DT PUMP	S/S STATUS	ON	NO COMM	CHWR TEMP	67.6	DEG F NO COMM
378 6710	DT PUMP	S/S STATUS	ON	NO COMM			



BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
379 6710	DT PUMP	STATUS	ON				
380 6711	HCHW SYSTEM	CH-1 S/S	OFF				
381 6711	HCHW SYSTEM	CH-1 STATUS	OFF				
382 6711	HCHW SYSTEM	CHWP-1 S/S	OFF				
383 6711	HCHW SYSTEM	CHWP-1 STATUS	OFF				
384 6711	HCHW SYSTEM	CHWP-2 S/S	OFF				
385 6711	HCHW SYSTEM	CHWP-2 STATUS	OFF				
386 6711	HCHW SYSTEM	CWP-1 S/S	OFF				
387 6711	HCHW SYSTEM	CWP-1 STATUS	OFF				
388 6711	HCHW SYSTEM	CWP-2 S/S	OFF				
389 6711	HCHW SYSTEM	CWP-2 STATUS	OFF				
390 6711	HCHW SYSTEM	CTF-1 STATUS	OFF				
391 6711	HCHW SYSTEM	CTF-2 STATUS	OFF				
392 6711	HCHW SYSTEM	B-1 E/D	LOCAL				
393 6711	HCHW SYSTEM	B-1 STATUS	OFF				
394 6711	HCHW SYSTEM	B-2 E/D	LOCAL				
395 6711	HCHW SYSTEM	B-2 STATUS	ON				
396 6711	HCHW SYSTEM	B-3 E/D	LOCAL				
397 6711	HCHW SYSTEM	B-3 STATUS	ON				
398 6711	HCHW SYSTEM	DTP S/S	ON				
399 6711	HCHW SYSTEM	DTP STATUS	ON				
400 6711	HCHW SYSTEM					67.6	DEG F
401 6711	HCHW SYSTEM					70.7	DEG F
402 6711	HCHW SYSTEM					72.7	DEG F
403 6711	HCHW SYSTEM					72.5	DEG F
404 6711	HCHW SYSTEM					0.0	DEG F
405 6712	DT PUMP	S/S	ON				
406 6712	DT PUMP	STATUS	ON				
407 6718	HCHW SYSTEM	CH-1 S/S	OFF				
408 6718	HCHW SYSTEM	CH-1 STATUS	OFF				
409 6718	HCHW SYSTEM	CHWP-1 S/S	OFF				
410 6718	HCHW SYSTEM	CHWP-1 STATUS	OFF				
411 6718	HCHW SYSTEM	REE	OFF				
412 6718	HCHW SYSTEM	REE-2	OFF				
413 6718	HCHW SYSTEM	CWP-1 S/S	OFF				
414 6718	HCHW SYSTEM	CWP-1 STATUS	OFF				
415 6718	HCHW SYSTEM	REE-3	OFF				
416 6718	HCHW SYSTEM	REE-4	OFF				
417 6718	HCHW SYSTEM	CTF STATUS	OFF				
418 6718	HCHW SYSTEM	B-1 E/D	LOCAL				
419 6718	HCHW SYSTEM	B-1 STATUS	ON				
420 6718	HCHW SYSTEM	B-2 E/D	LOCAL				
421 6718	HCHW SYSTEM	B-2 STATUS	ON				
422 6718	HCHW SYSTEM	DTP S/S	ON				
423 6718	HCHW SYSTEM	DTP STATUS	ON				
424 6718	HCHW SYSTEM					59.7	DEG F
425 6718	HCHW SYSTEM					59.3	DEG F
426 6718	HCHW SYSTEM					65.2	DEG F
427 6718	HCHW SYSTEM					31.6	DEG F
428 6718	HCHW SYSTEM					0.0	DEG F
					CHWS TEMP		
					CHWR TEMP		
					CWS TEMP		
					CWR TEMP		
					CW RESET		
					CHWS TEMP		
					CHWR TEMP		
					CWS TEMP		
					CWR TEMP		
					CW RESET		

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
429 6719	DT PUMP	S/S	ON				
430 6719	DT PUMP	STATUS	ON				
431 6721	AH-1	S/S	ON	NO COMM			
432 6721	AH-1	STATUS	OFF	NO COMM			
433 6721	AH-1				SP TEMP	76.5	DEG F NO COMM
434 6721	CH-1	E/D	OFF	NO COMM			
435 6721	CH-1	STATUS	OFF	NO COMM			
436 6721	CH-1	CHWP S/S	ON	NO COMM			
437 6721	CH-1	CHWP STATUS	OFF	NO COMM			
438 6721	CH-1	RESET #1	LOCAL	NO COMM			
439 6721	CH-1	RESET #2	LOCAL	DISABLE			
440 6721	CH-1	RESET #3	LOCAL	DISABLE			
441 6721	CH-1						
442 6721	CH-1						
443 6725	DT PUMP	S/S	ON	NO COMM			
444 6725	DT PUMP	STATUS	ON	NO COMM			
445 6726	HCHW SYSTEM	CH-1 S/S	OFF				
446 6726	HCHW SYSTEM	CH-1 STATUS	OFF				
447 6726	HCHW SYSTEM	CHWP-1 S/S	OFF				
448 6726	HCHW SYSTEM	CHWP-1 STATUS	OFF	DISABLE			
449 6726	HCHW SYSTEM	CHWP-2 S/S	OFF				
450 6726	HCHW SYSTEM	CHWP-2 STATUS	OFF				
451 6726	HCHW SYSTEM	CHWP-1 S/S	OFF				
452 6726	HCHW SYSTEM	CHWP-1 STATUS	OFF				
453 6726	HCHW SYSTEM	CHWP-2 S/S	OFF				
454 6726	HCHW SYSTEM	CHWP-2 STATUS	OFF				
455 6726	HCHW SYSTEM	CTF-1 STATUS	OFF				
456 6726	HCHW SYSTEM	CTF-2 STATUS	OFF				
457 6726	HCHW SYSTEM	B-1 E/D	LOCAL				
458 6726	HCHW SYSTEM	B-1 STATUS	OFF				
459 6726	HCHW SYSTEM	B-2 E/D	LOCAL				
460 6726	HCHW SYSTEM	B-2 STATUS	OFF				
461 6726	HCHW SYSTEM	B-3 E/D	LOCAL				
462 6726	HCHW SYSTEM	B-3 STATUS	ON				
463 6726	HCHW SYSTEM	DTP S/S	ON				
464 6726	HCHW SYSTEM	DTP STATUS	ON				
465 6726	HCHW SYSTEM						
466 6726	HCHW SYSTEM						
467 6726	HCHW SYSTEM						
468 6726	HCHW SYSTEM						
469 6726	HCHW SYSTEM						
470 6727	DT PUMP	S/S	ON				
471 6727	DT PUMP	STATUS	ON				
472 6728	DT PUMP	S/S	ON	NO COMM			
473 6728	DT PUMP	STATUS	ON	NO COMM			
474 6730	DT PUMP	S/S	OFF	NO COMM			
475 6730	DT PUMP	STATUS	ON	NO COMM			

CHWS TEMP 66.8 DEG F  
 CHWR TEMP 71.1 DEG F  
 CWS TEMP 70.1 DEG F  
 CWR TEMP 76.7 DEG F  
 CW RESET 0.0 DEG F

BLD5#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
476 6731	DT PUMP	S/S	ON				
477 6731	DT PUMP	STATUS	ON				
478 6732	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
479 6732	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
480 6732	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
481 6732	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
482 6732	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
483 6732	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
484 6732	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
485 6732	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
486 6732	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
487 6732	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
488 6732	HCHW SYSTEM	CTF-1 STATUS	OFF	NO COMM			
489 6732	HCHW SYSTEM	CTF-2 STATUS	OFF	NO COMM			
490 6732	HCHW SYSTEM	R-1 E/D	LOCAL	NO COMM			
491 6732	HCHW SYSTEM	R-1 STATUS	ON	NO COMM			
492 6732	HCHW SYSTEM	R-2 E/D	LOCAL	NO COMM			
493 6732	HCHW SYSTEM	R-2 STATUS	OFF	NO COMM			
494 6732	HCHW SYSTEM	R-3 E/D	LOCAL	NO COMM			
495 6732	HCHW SYSTEM	R-3 STATUS	ON	NO COMM			
496 6732	HCHW SYSTEM	DTP S/S	ON	NO COMM			
497 6732	HCHW SYSTEM	DTP STATUS	ON	NO COMM			
498 6732	HCHW SYSTEM				CHWS TEMP	64.9	DEG F
499 6732	HCHW SYSTEM				CHWR TEMP	66.0	DEG F
500 6732	HCHW SYSTEM				CWS TEMP	68.2	DEG F
501 6732	HCHW SYSTEM				CWR TEMP	89.6	DEG F
502 6732	HCHW SYSTEM				CW RESET	0.0	DEG F
503 6733	DT PUMP	S/S	ON	NO COMM			
504 6733	DT PUMP	STATUS	OFF	NO COMM			
505 6774	HCHW SYSTEM	CH-1 S/S	OFF				
506 6774	HCHW SYSTEM	CH-1 STATUS	OFF				
507 6774	HCHW SYSTEM	CHWP-1 S/S	OFF				
508 6774	HCHW SYSTEM	CHWP-1 STATUS	OFF				
509 865	WEATHER				DA TEMP	42.1	DEG F
510 865	WEATHER				DA HUM	30.9	% RH
511 6774	HCHW SYSTEM	CWP-1 S/S	OFF				
512 6774	HCHW SYSTEM	CWP-1 STATUS	OFF				
513 6774	HCHW SYSTEM	CTF STATUS	OFF				
516 6774	HCHW SYSTEM	R-1 E/D	LOCAL				
517 6774	HCHW SYSTEM	R-1 STATUS	ON				
518 6774	HCHW SYSTEM	R-2 E/D	LOCAL				
519 6774	HCHW SYSTEM	R-2 STATUS	ON				
520 6774	HCHW SYSTEM	DTP S/S	ON				
521 6774	HCHW SYSTEM	DTP STATUS	ON				
522 6774	HCHW SYSTEM				CHWS TEMP	54.1	DEG F
523 6774	HCHW SYSTEM				CHWR TEMP	55.3	DEG F
524 6774	HCHW SYSTEM				CWS TEMP	57.7	DEG F
525 6774	HCHW SYSTEM				CWR TEMP	64.5	DEG F
526 6774	HCHW SYSTEM				CW RESET	0.0	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
527 6775	DT PUMP	S/S	ON	NO COMM			
528 6775	DT PUMP	STATUS	ON	NO COMM			
529 6776	HCHW SYSTEM	CH-1 S/S	OFF				
530 6776	HCHW SYSTEM	CH-1 STATUS	OFF				
531 6776	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
532 6776	HCHW SYSTEM	CHWP-1 STATUS	OFF				
533 6776	HCHW SYSTEM	CHWP-2 S/S	OFF				
534 6776	HCHW SYSTEM	CHWP-2 STATUS	ON	ALARM			
535 6776	HCHW SYSTEM	CWP-1 S/S	OFF				
536 6776	HCHW SYSTEM	CWP-1 STATUS	OFF				
537 6776	HCHW SYSTEM	CWP-2 S/S	OFF				
538 6776	HCHW SYSTEM	CWP-2 STATUS	OFF	DISABLE			
539 6776	HCHW SYSTEM	CTF-1 STATUS	OFF				
540 6776	HCHW SYSTEM	CTF-2 STATUS	OFF				
541 6776	HCHW SYSTEM	R-1 E/D	LOCAL				
542 6776	HCHW SYSTEM	R-1 STATUS	OFF				
543 6776	HCHW SYSTEM	R-2 E/D	LOCAL				
544 6776	HCHW SYSTEM	R-2 STATUS	OFF				
545 6776	HCHW SYSTEM	R-3 E/D	LOCAL				
546 6776	HCHW SYSTEM	R-3 STATUS	ON				
547 6776	HCHW SYSTEM	DTP S/S	ON				
548 6776	HCHW SYSTEM	DTP STATUS	ON				
549 6776	HCHW SYSTEM				CHWS TEMP	64.9	DEG F
550 6776	HCHW SYSTEM				CHWR TEMP	66.8	DEG F
551 6776	HCHW SYSTEM				CWS TEMP	68.4	DEG F
552 6776	HCHW SYSTEM				CWR TEMP	76.7	DEG F
553 6776	HCHW SYSTEM				CW RESET	0.0	DEG F
554 6777	DT PUMP	S/S	ON				
555 6777	DT PUMP	STATUS	ON				
556 6778	DT PUMP	S/S	ON				
557 6778	DT PUMP	STATUS	ON				
558 6779	DT PUMP	S/S	ON				
559 6779	DT PUMP	STATUS	ON				
560 6780	DT PUMP	S/S	ON	NO COMM			
561 6780	DT PUMP	STATUS	ON	NO COMM			
562 6781	HCHW SYSTEM	CH-1 S/S	OFF				
563 6781	HCHW SYSTEM	CH-1 STATUS	OFF				
564 6781	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
565 6781	HCHW SYSTEM	CHWP-1 STATUS	OFF				
566 6781	HCHW SYSTEM	CHWP-2 S/S	OFF				
567 6781	HCHW SYSTEM	CHWP-2 STATUS	OFF	DISABLE			
568 6781	HCHW SYSTEM	CWP-1 S/S	OFF				
569 6781	HCHW SYSTEM	CWP-1 STATUS	OFF				
570 6781	HCHW SYSTEM	CWP-2 S/S	OFF				
571 6781	HCHW SYSTEM	CWP-2 STATUS	OFF				
572 6781	HCHW SYSTEM	CTF-1 STATUS	OFF				
573 6781	HCHW SYSTEM	CTF-2 STATUS	OFF				
574 6781	HCHW SYSTEM	R-1 E/D	LOCAL				

STATUS

VALUE

ANALOG PT

STATUS

DIGITAL PT

UNIT

ELDG#

575	6781	HCHW SYSTEM	B-1 STATUS	OFF			
576	6781	HCHW SYSTEM	B-2 E/D	LOCAL			
577	6781	HCHW SYSTEM	B-2 STATUS	ON			
578	6781	HCHW SYSTEM	B-3 E/D	LOCAL			
579	6781	HCHW SYSTEM	B-3 STATUS	OFF			
580	6781	HCHW SYSTEM	DTP S/S	ON			
581	6781	HCHW SYSTEM	DIP STATUS	ON			
582	6781	HCHW SYSTEM			CHWS TEMP	60.3	DEG F
583	6781	HCHW SYSTEM			CHWR TEMP	60.5	DEG F
584	6781	HCHW SYSTEM			CWS TEMP	61.9	DEG F
585	6781	HCHW SYSTEM			CWR TEMP	62.1	DEG F
586	6781	HCHW SYSTEM			CW RESET	0.0	DEG F
587	6782	DT PUMP	S/S	ON			
588	6782	DT PUMP	STATUS	ON			
589	6783	DT PUMP	S/S	ON			
590	6783	DT PUMP	STATUS	ON			
591	6909	DT PUMP	S/S	ON			
592	6909	DT PUMP	STATUS	ON			
593	6910	HCHW SYSTEM	CH-1 S/S	OFF			
594	6910	HCHW SYSTEM	CH-1 STATUS	OFF			
595	6910	HCHW SYSTEM	CHWP-1 S/S	OFF			
596	6910	HCHW SYSTEM	CHWP-1 STATUS	OFF	DISABLE		
597	6910	HCHW SYSTEM	CHWP-2 S/S	OFF			
598	6910	HCHW SYSTEM	CHWP-2 STATUS	OFF			
599	6910	HCHW SYSTEM	CWP-1 S/S	OFF			
600	6910	HCHW SYSTEM	CWP-1 STATUS	OFF			
601	6910	HCHW SYSTEM	CWP-2 S/S	OFF			
602	6910	HCHW SYSTEM	CWP-2 STATUS	OFF	DISABLE		
603	6910	HCHW SYSTEM	CIF-1 STATUS	OFF			
605	6910	HCHW SYSTEM	DTP S/S	ON			
606	6910	HCHW SYSTEM	DIP STATUS	ON			
607	6910	HCHW SYSTEM			CHWS TEMP	58.5	DEG F
608	6910	HCHW SYSTEM			CHWR TEMP	80.7	DEG F
609	6910	HCHW SYSTEM			CWS TEMP	59.3	DEG F
610	6910	HCHW SYSTEM			CWR TEMP	60.9	DEG F
611	6910	HCHW SYSTEM			CW RESET	0.0	DEG F
612	6911	DT PUMP	S/S	ON			
613	6911	DT PUMP	STATUS	ON			
614	6912	DT PUMP	S/S	ON			
615	6912	DT PUMP	STATUS	ON	NO COMM		
616	6917	DT PUMP	S/S	ON			
617	6917	DT PUMP	STATUS	ON	NO COMM		
618	6918	DT PUMP	S/S	ON			
619	6918	DT PUMP	STATUS	ON	NO COMM		
620	6919	DT PUMP	S/S	ON			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
621 6919	DT PUMP	STATUS	ON				
622 6920	DT PUMP	S/S	ON	NO COMM			
623 6920	DT PUMP	STATUS	ON	NO COMM			
624 6921	DT PUMP	S/S	ON				
625 6921	DT PUMP	STATUS	ON				
626 6922	DT PUMP	S/S	ON				
627 6922	DT PUMP	STATUS	ON				
628 6923	DT PUMP	S/S	ON				
629 6923	DT PUMP	STATUS	ON				
630 6927	DT PUMP	S/S	ON				
631 6927	DT PUMP	STATUS	ON				
632 6928	DT PUMP	S/S	ON				
633 6928	DT PUMP	STATUS	ON				
634 6929	HCHW SYSTEM	CH-1 S/S	OFF				
635 6929	HCHW SYSTEM	CH-1 STATUS	OFF				
636 6929	HCHW SYSTEM	CHWP-1 S/S	OFF				
637 6929	HCHW SYSTEM	CHWP-1 STATUS	OFF				
638 6929	HCHW SYSTEM	CHWP-2 S/S	OFF				
639 6929	HCHW SYSTEM	CHWP-2 STATUS	OFF				
640 6929	HCHW SYSTEM	CWP-1 S/S	OFF				
641 6929	HCHW SYSTEM	CWP-1 STATUS	OFF				
642 6929	HCHW SYSTEM	CWP-2 S/S	OFF				
643 6929	HCHW SYSTEM	CWP-2 STATUS	OFF				
644 6929	HCHW SYSTEM	CTF-1 STATUS	OFF				
645 6929	HCHW SYSTEM	CTF-1 STATUS	OFF				
646 6929	HCHW SYSTEM	CTF-2 STATUS	OFF				
647 6929	HCHW SYSTEM	B-1 E/D	LOCAL				
648 6929	HCHW SYSTEM	B-1 STATUS	ON				
649 6929	HCHW SYSTEM	B-2 E/D	LOCAL				
650 6929	HCHW SYSTEM	B-2 STATUS	ON				
651 6929	HCHW SYSTEM	B-3 E/D	LOCAL				
652 6929	HCHW SYSTEM	B-3 STATUS	OFF				
653 6929	HCHW SYSTEM	DTP S/S	ON				
654 6929	HCHW SYSTEM	DTP STATUS	ON				
655 6929	HCHW SYSTEM						
656 6929	HCHW SYSTEM						
657 6929	HCHW SYSTEM						
658 6929	HCHW SYSTEM						
659 6930	DT PUMP	S/S	ON				
660 6930	DT PUMP	STATUS	ON				
661 6931	DT PUMP	S/S	ON				
662 6931	DT PUMP	STATUS	ON				
663 6936	HCHW SYSTEM	CH-1 S/S	OFF				
664 6936	HCHW SYSTEM	CH-1 STATUS	OFF				

CHWS TEMP 77.5 DEG F  
CHWR TEMP 78.8 DEG F  
CWS TEMP 78.2 DEG F  
CWR TEMP 71.7 DEG F  
CW RESET 0.0

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
665 6936	HCHW SYSTEM	CHWP-1 S/S	OFF				
666 6936	HCHW SYSTEM	CHWP-1 STATUS	OFF				
667 6936	HCHW SYSTEM	RFE	OFF				
668 6936	HCHW SYSTEM	RFE-2	OFF				
669 6936	HCHW SYSTEM	CWP-1 S/S	OFF				
670 6936	HCHW SYSTEM	CWP-1 STATUS	OFF				
671 6936	HCHW SYSTEM	RFE-3	OFF				
672 6936	HCHW SYSTEM	RFE-4	OFF				
673 6936	HCHW SYSTEM	CTE STATUS	OFF				
674 6936	HCHW SYSTEM	B-1 E/D	LOCAL				
675 6936	HCHW SYSTEM	B-1 STATUS	ON				
676 6936	HCHW SYSTEM	B-2 E/D	LOCAL				
677 6936	HCHW SYSTEM	B-2 STATUS	ON				
678 6936	HCHW SYSTEM	DTP S/S	ON				
679 6936	HCHW SYSTEM	DTP STATUS	ON				
680 6936	HCHW SYSTEM				CHWS TEMP	79.4	NO COMM
681 6936	HCHW SYSTEM				CHWR TEMP	66.0	DEG F
682 6936	HCHW SYSTEM				CWS TEMP	39.1	DEG F
683 6936	HCHW SYSTEM				CWR TEMP	86.2	DEG F
684 6936	HCHW SYSTEM				CW RESET	0.0	DEG F
685 6937	DT PUMP	S/S	ON				
686 6937	DT PUMP	STATUS	ON				
687 6938	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
688 6938	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
689 6938	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
690 6938	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
691 6938	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
692 6938	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
693 6938	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
694 6938	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
695 6938	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
696 6938	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
697 6938	HCHW SYSTEM	CTF-1 STATUS	OFF	NO COMM			
698 6938	HCHW SYSTEM	CTF-2 STATUS	OFF	NO COMM			
699 6938	HCHW SYSTEM	B-1 E/D	LOCAL	NO COMM			
700 6938	HCHW SYSTEM	B-1 STATUS	OFF	NO COMM			
701 6938	HCHW SYSTEM	B-2 E/D	LOCAL	NO COMM			
702 6938	HCHW SYSTEM	B-2 STATUS	OFF	NO COMM			
703 6938	HCHW SYSTEM	B-3 E/D	LOCAL	NO COMM			
704 6938	HCHW SYSTEM	B-3 STATUS	OFF	NO COMM			
705 6938	HCHW SYSTEM	DTP S/S	ON	NO COMM			
706 6938	HCHW SYSTEM	DTP STATUS	OFF	NO COMM			
707 6938	HCHW SYSTEM				CHWS TEMP	77.7	DEG F
708 6938	HCHW SYSTEM				CHWR TEMP	78.0	DEG F
709 6938	HCHW SYSTEM				CWS TEMP	75.2	DEG F
710 6938	HCHW SYSTEM				CWR TEMP	84.5	DEG F
711 6938	HCHW SYSTEM				CW RESET	0.0	DEG F
712 6939	DT PUMP	S/S	ON				
713 6939	DT PUMP	STATUS	ON				
714 6940	DT PUMP	S/S	ON				

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
715 6940	DT PUMP	STATUS	ON				
716 6942	DT PUMP	S/S	ON				
717 6942	DT PUMP	STATUS	ON				
718 6943	DT PUMP	S/S	ON				
719 6943	DT PUMP	STATUS	ON				
720 6944	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
721 6944	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
722 6944	HCHW SYSTEM	CHWP-1 S/S	OFF	NO COMM			
723 6944	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
724 6944	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
725 6944	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
726 6944	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
727 6944	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
728 6944	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
729 6944	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
730 6944	HCHW SYSTEM	CTF-1 STATUS	OFF	NO COMM			
731 6944	HCHW SYSTEM	CTF-2 STATUS	OFF	NO COMM			
732 6944	HCHW SYSTEM	B-1 E/D	LOCAL	NO COMM			
733 6944	HCHW SYSTEM	B-1 STATUS	OFF	NO COMM			
734 6944	HCHW SYSTEM	B-2 E/D	LOCAL	NO COMM			
735 6944	HCHW SYSTEM	B-2 STATUS	OFF	NO COMM			
736 6944	HCHW SYSTEM	B-3 E/D	LOCAL	NO COMM			
737 6944	HCHW SYSTEM	B-3 STATUS	OFF	NO COMM			
738 6944	HCHW SYSTEM	DTP S/S	ON	NO COMM			
739 6944	HCHW SYSTEM	DTP STATUS	OFF	NO COMM			
740 6944	HCHW SYSTEM				93.3	DEG F	NO COMM
741 6944	HCHW SYSTEM				94.1	DEG F	NO COMM
742 6944	HCHW SYSTEM				32.2	DEG F	NO COMM
743 6944	HCHW SYSTEM				100.7	DEG F	NO COMM
744 6944	HCHW SYSTEM				0.0	DEG F	NO COMM
745 6945	DT PUMP	S/S	ON				
746 6945	DT PUMP	STATUS	ON				
747 7112	CH-1	E/D	OFF	NO COMM			
748 7112	CH-1	STATUS	OFF	NO COMM			
749 7112	CH-1	CHWP S/S	ON	NO COMM			
750 7112	CH-1	CHWP STATUS	OFF	NO COMM			
751 7112	CH-1	CWP STATUS	OFF	NO COMM			
752 7112	CH-1	CTF STATUS	OFF	NO COMM			
753 7112	CH-1	RESET #1	LOCAL	NO COMM			
754 7112	CH-1	RESET #2	LOCAL	NO COMM			
755 7112	CH-1				115.0	DEG F	NO COMM
756 7112	CH-1				74.6	DEG F	NO COMM
757 7112	CH-1				80.5	DEG F	NO COMM
758 7112	CH-1				81.3	DEG F	NO COMM
759 7112	CH-1				80.5	DEG F	NO COMM
760 7112	CH-1				0.0	DEG F	NO COMM
761 7110	CH-1		OFF	NO COMM			
762 7110	CH-1	E/D	OFF	NO COMM			
		STATUS					





BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
805 7208	HV-1	S/S	ON	NO COMM			
806 7208	HV-1	STATUS	ON	NO COMM			
807 7208	HV-2	S/S	ON	NO COMM			
808 7208	HV-2	STATUS	ON	NO COMM			
809 7208	HV-2				SP TEMP	77.1	DEG F NO COMM
810 7208	HV-3	S/S	ON	NO COMM			
811 7208	HV-3	STATUS	OFF	NO COMM			
812 7208	DX UNIT	E/D	OFF	NO COMM			
813 7208	DX UNIT	STATUS	OFF	NO COMM			
814 7208	HW PUMP	S/S	ON	NO COMM			
815 7208	HW PUMP	STATUS	ON	NO COMM			
816 7210	MZ-1	S/S	ON				
817 7210	MZ-1	STATUS	ON				
818 7210	HV-1	S/S	ON				
819 7210	HV-1	STATUS	ON				
820 7210	HV-1				SP TEMP	79.2	DEG F NO COMM
821 7210	HV-2	S/S	ON				
822 7210	HV-2	STATUS	ON				
823 7210	DX UNIT	E/D	OFF				
824 7210	DX UNIT	STATUS	OFF				
825 7210	HW PUMP	S/S	ON				
826 7210	HW PUMP	STATUS	ON				
827 7214	AH-1	S/S	ON	NO COMM			
828 7214	AH-1	STATUS	ON	NO COMM			
829 7214	AH-1				SP TEMP	77.5	DEG F NO COMM
830 7214	AC-1	S/S	ON	NO COMM			
831 7214	AC-1	STATUS	ON	DISABLE			
832 7214	AC-1	C-1 E/D	OFF	NO COMM			
833 7214	AC-1	C-1 STATUS	OFF	NO COMM			
834 7214	AC-1				SP TEMP	77.1	DEG F NO COMM
835 7214	HV-1	S/S	ON	NO COMM			
836 7214	HV-1	STATUS	ON	NO COMM			
837 7214	HV-2	S/S	ON	NO COMM			
838 7214	HV-2	STATUS	ON	NO COMM			
839 7214	HV-2				SP TEMP	86.2	DEG F NO COMM
840 7214	HV-3	S/S	ON	NO COMM			
841 7214	HV-3	STATUS	ON	NO COMM			
842 7214	DX UNIT	E/D	OFF	NO COMM			
843 7214	DX UNIT	STATUS	OFF	NO COMM			



BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
884 7245	HW PUMP	E/D	LOCAL	NO COMM			
885 7245	HW PUMP	STATUS	ON	NO COMM			
886 7249	AH-1	S/S	ON	NO COMM			
887 7249	AH-1	STATUS	OFF	NO COMM			
888 7249	HV-1	S/S	ON	NO COMM	SP TEMP	68.0 DEG F	NO COMM
889 7249	HV-1	STATUS	OFF	DISABLE			
890 7249	HV-1	S/S	ON	NO COMM			
891 7249	HV-2	STATUS	ON	DISABLE			
892 7249	HV-2	S/S	ON	NO COMM			
893 7249	HV-3	STATUS	ON	NO COMM			
894 7249	HV-3	S/S	ON	NO COMM			
895 7249	HV-4	STATUS	ON	NO COMM			
896 7249	HV-4	S/S	OFF	DISABLE			
897 7249	CH-1	STATUS	OFF	NO COMM			
898 7249	CH-1	CHWP E/D	OFF	NO COMM			
899 7249	CH-1	CHWP STATUS	OFF	NO COMM			
900 7249	CH-1	RESET #1	LOCAL	NO COMM			
901 7249	CH-1	RESET #2	LOCAL	NO COMM			
902 7249	CH-1	RESET #3	LOCAL	NO COMM			
903 7249	CH-1				CHWS TEMP	79.2 DEG F	NO COMM
904 7249	CH-1				CHWR TEMP	69.9 DEG F	NO COMM
905 7249	HW PUMP	E/D	LOCAL	NO COMM			
906 7249	HW PUMP	STATUS	ON	NO COMM			
907 999999	TEST UNIT	DI 01	OFF	NO COMM			
908 999999	TEST UNIT	DI 02	OFF	NO COMM			
909 999999	TEST UNIT	DI 03	OFF	NO COMM			
910 999999	TEST UNIT	DI 04	OFF	NO COMM			
911 999999	TEST UNIT	DI 05	OFF	NO COMM			
912 999999	TEST UNIT	DI 06	OFF	NO COMM			
913 999999	TEST UNIT	DI 07	OFF	NO COMM			
914 999999	TEST UNIT	DI 08	OFF	NO COMM			
915 999999	TEST UNIT	DO 01	OFF	NO COMM			
916 999999	TEST UNIT	DO 02	OFF	NO COMM			
917 999999	TEST UNIT	DO 03	OFF	NO COMM			
918 999999	TEST UNIT	DO 04	OFF	NO COMM			
919 999999	TEST UNIT	DO 05	OFF	NO COMM			
920 999999	TEST UNIT	DO 06	OFF	NO COMM			
921 999999	TEST UNIT	DO 07	OFF	NO COMM			
922 999999	TEST UNIT	DO 08	OFF	NO COMM			
923 999999	TEST UNIT				RTD 01	76.5 DEG F	NO COMM
924 999999	TEST UNIT				RTD 02	57.9 DEG F	NO COMM
925 999999	TEST UNIT				AI 01	14.1 PSI	NO COMM
926 999999	TEST UNIT				AI 02	-5.0 VOLTS	NO COMM
927 999999	TEST UNIT				AO 01	-10.2 VOLTS	NO COMM
928 999999	TEST UNIT				AO 02	-10.2 VOLTS	NO COMM



BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
981 999999	TEST UNIT 4	DO 25	OFF	NO COMM			
982 999999	TEST UNIT 4	DO 26	OFF	NO COMM			
983 999999	TEST UNIT 4	DO 27	OFF	NO COMM			
984 999999	TEST UNIT 4	DO 28	OFF	NO COMM			
985 999999	TEST UNIT 4	DO 29	OFF	NO COMM			
986 999999	TEST UNIT 4	DO 30	OFF	NO COMM			
987 999999	TEST UNIT 4	DO 31	OFF	NO COMM			
988 999999	TEST UNIT 4	DO 32	OFF	NO COMM			
989 999999	TEST UNIT 4				RTD 07	44.9	NO COMM
990 999999	TEST UNIT 4				RTD 08	45.6	NO COMM
991 999999	TEST UNIT 4				AI 07	4.8	NO COMM
992 999999	TEST UNIT 4				AI 08	4.9	NO COMM
993 999999	TEST UNIT 4				AO 07	-10.2	NO COMM
994 999999	TEST UNIT 4				AO 08	-10.2	NO COMM
995 999999	TEST UNIT 5				PA 01	645.0	NO COMM
996 999999	TEST UNIT 5				PA 02	645.0	NO COMM
997 865	DEMAND				MW SHED	0.0	
998 865	DEMAND				UNITS SHED	0.0	
999 865	DEMAND				PROJECTED	21.2	
1000 865	DEMAND				PRIORITY	0.0	
1001 865	DEMAND				TARGET	99.0	
1004 5740	CHILLERS	CH-2 STATUS	OFF				
1005 865	WEATHER				OA WETBULB	32.9	DEG F
1006 865	WEATHER				OA ENTHALPY	12.1	BTU/LB
1007 865	DEMAND				METER	19.7	MWH
1009 5740	PROJ AH	REE	OFF				
1010 865	DEMAND	RE #1	LOCAL				
1011 865	DEMAND	RE #2	LOCAL				
1012 865	DEMAND	RE #3	LOCAL				
1013 865	DEMAND	RE #4	LOCAL				
1014 865	DEMAND	RE #5	LOCAL				
1015 865	DEMAND	RE #6	LOCAL				
1016 89	UPS	STATUS	LINE	NO COMM			
1018 3411	UPS	STATUS	LINE				
1019 3902	UPS	STATUS	LINE				
1020 5661	UPS	STATUS	LINE	NO COMM			
1021 6628	UPS	STATUS	LINE	NO COMM			
1022 7112	UPS	STATUS	LINE	NO COMM			
1023 7110	UPS	STATUS	LINE	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1024 7163	UPS	STATUS	LINE				
1025 7210	UPS	STATUS	LINE				
1026 7245	UPS	STATUS	LINE	NO COMM			
1027 6715	UPS	UPS STATUS 1-1	LINE				
1028 6715	UPS	UPS STATUS 1-2	LINE				
1029 6715	UPS	DOOR STATUS 1-2	CLOSED				
1030 6901	UPS	UPS STATUS 2-1	LINE				
1031 6901	UPS	UPS STATUS 2-2	LINE				
1032 6901	UPS	DOOR STATUS 2-2	CLOSED				
1033 6901	UPS	UPS STATUS 2-3	LINE				
1034 6901	UPS	DOOR STATUS 2-3	CLOSED				
1035 6914	UPS	UPS STATUS 3-1	LINE				
1036 6914	UPS	UPS STATUS 3-2	LINE				
1037 6914	UPS	DOOR STATUS 3-2	CLOSED				
1038 2702	AC-2				SP TEMP	120.9	DEG F NO COMM
1039 2702	AC-3				SP TEMP	120.9	DEG F NO COMM
1040 2702	HV-1				SP TEMP	121.6	DEG F NO COMM
1041 5702	AH-1				SP TEMP	73.6	DEG F NO COMM
1042 5702	AH-1				SP HUM	43.4	% RH NO COMM
1043 5875	MZ-1				SP TEMP	70.5	DEG F NO COMM
1044 5980	AH-1				SP TEMP	67.6	DEG F NO COMM
1045 5980	MZ-1				SP TEMP	73.2	DEG F NO COMM
1046 6628	HCHW SYSTEM				SP TEMP 1	176.3	DEG F NO COMM
1047 6628	HCHW SYSTEM				SP TEMP 2	79.6	DEG F NO COMM
1048 7206	MZ-1				SP TEMP	66.4	DEG F NO COMM
1049 7210	MZ-1				SP TEMP	70.3	DEG F NO COMM
1050 7245	HW PUMP				SP TEMP	66.0	DEG F NO COMM
1051 7245	AH-1				SP TEMP	80.9	DEG F NO COMM
1052 7249	HW PUMP				SP TEMP	70.9	DEG F NO COMM
1053 7249	AH-1				SP TEMP	71.5	DEG F NO COMM
1054 2702	AC-1				SP TEMP	121.4	DEG F NO COMM
1055 2577	CH-1	STATUS #6	OFF				
1056 2577	CH-1	STATUS #7	OFF				

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1057	BOILER SYSTEM	E/D B-1	LOCAL				
1058	BOILER SYSTEM	E/D B-2	LOCAL				
1059	BOILER SYSTEM	FLOW B-1	OPEN				
1060	BOILER SYSTEM	FLOW B-2	OPEN				
1061	BOILER SYSTEM	LEVEL B-1	OPEN				
1062	BOILER SYSTEM	LEVEL B-2	OPEN				
1063	BOILER SYSTEM	B-1 STATUS	OPEN				
1064	BOILER SYSTEM	B-2 STATUS	OPEN				
1065	BOILER SYSTEM	ALARM B-1	OPEN				
1066	BOILER SYSTEM	ALARM B-2	OPEN				
1067	BOILER SYSTEM	OIL PUMP B-1	OPEN				
1068	BOILER SYSTEM	OIL PUMP B-2	OPEN				
1069	BOILER SYSTEM	INSTR AIR B-1	CLOSED				
1070	BOILER SYSTEM	INSTR AIR B-2	CLOSED				
1071	BOILER SYSTEM				STK TEMP B-1	123.6	DEG F
1072	BOILER SYSTEM				STK TEMP B-2	168.1	DEG F
1073	MAIN SYSTEM	COND RET	OPEN				
1074	MAIN SYSTEM	FWP #1 STATUS	OPEN				
1075	MAIN SYSTEM	FWP #2 STATUS	OPEN				
1076	MAIN SYSTEM	AIR COMP STATUS	OPEN				
1077	MAIN SYSTEM				STEAM TEMP	345.3	DEG F
1078	MAIN SYSTEM				OIL TEMP	40.5	DEG F
1079	MAIN SYSTEM				COND TEMP	206.3	DEG F
1080	MAIN SYSTEM				WATER TEMP	203.4	DEG F
1081	MAIN SYSTEM				STEAM PRESS	118.1	PSI
1082	MAIN SYSTEM				STEAM FLOW	11.6	LBSHR
1083	BOILER SYSTEM	E/D B-5	LOCAL	NO COMM			
1084	BOILER SYSTEM	E/D B-2	LOCAL	NO COMM			
1085	BOILER SYSTEM	E/D B-3	LOCAL	NO COMM			
1086	BOILER SYSTEM	ALARM B-5	OPEN	NO COMM			
1087	BOILER SYSTEM	ALARM B-2	OPEN	NO COMM			
1088	BOILER SYSTEM	ALARM B-3	OPEN	NO COMM			
1089	BOILER SYSTEM	FLOW B-5	OPEN	NO COMM			
1090	BOILER SYSTEM	FLOW B-2	OPEN	NO COMM			
1091	BOILER SYSTEM	FLOW B-3	OPEN	NO COMM			
1092	BOILER SYSTEM	LEVEL B-5	OPEN	NO COMM			
1093	BOILER SYSTEM	LEVEL B-2	OPEN	NO COMM			
1094	BOILER SYSTEM	LEVEL B-3	OPEN	NO COMM			
1095	BOILER SYSTEM	B-5 STATUS	OPEN	NO COMM			
1096	BOILER SYSTEM	B-2 STATUS	OPEN	NO COMM			
1097	BOILER SYSTEM	B-3 STATUS	OPEN	NO COMM			
1098	BOILER SYSTEM				STK TEMP B-1	556.8	DEG F
1099	BOILER SYSTEM				STK TEMP B-2	78.5	DEG F
1100	BOILER SYSTEM				STK TEMP B-3	76.0	DEG F
1101	MAIN SYSTEM	COND RET	OPEN	NO COMM			
1102	MAIN SYSTEM	FWP #1 STATUS	OPEN	NO COMM			
1103	MAIN SYSTEM	FWP #2 STATUS	OPEN	NO COMM			
1104	MAIN SYSTEM	AIR COMP	OPEN	NO COMM			
1105	MAIN SYSTEM	INSTR AIR	OPEN	NO COMM			
1106	MAIN SYSTEM	OIL PUMP #1	OPEN	NO COMM			
1107	MAIN SYSTEM	OIL PUMP #2	OPEN	NO COMM			



BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1108 157	MAIN SYSTEM				OIL TEMP	68.6	DEG F NO COMM
1109 157	MAIN SYSTEM				COND TEMP	163.6	DEG F NO COMM
1110 157	MAIN SYSTEM				STEAM PRESS	36.6	PSI NO COMM
1111 157	MAIN SYSTEM				STEAM TEMP	278.4	DEG F NO COMM
1112 157	MAIN SYSTEM				WATER TEMP	216.1	DEG F NO COMM
1113 157	MAIN SYSTEM				STEAM FLOW	13.5	LBSHR NO COMM
1114 157	BOILER SYSTEM				PLANT PRESS	45.8	PSI NO COMM
1115 157	MAIN SYSTEM				FW PRESS	10.9	PSI NO COMM
1116 6709	DT PUMP	MOTOR RESET	OPEN				
1117 6709	DT PUMP	TRIP STATUS	OPEN				
1118 6710	DT PUMP	MOTOR RESET	OPEN				
1119 6710	DT PUMP	TRIP STATUS	OPEN				
1120 6712	DT PUMP	MOTOR RESET	OPEN				
1121 6712	DT PUMP	TRIP STATUS	OPEN				
1124 858	BOILER	B-1 E/D	LOCAL				
1125 858	BOILER	B-1 STATUS	ON				
1126 858	BOILER	B-1 OIL	OFF				
1127 858	BOILER	B-1 FW	OFF				
1128 858	BOILER	B-1 ALARM	OK				
1129 858	BOILER	B-1 LW ALARM	OK				
1130 858	BOILER	B-2 E/D	LOCAL				
1131 858	BOILER	B-2 STATUS	OFF				
1132 858	BOILER	B-2 OIL	OFF				
1133 858	BOILER	B-2 FW	OFF				
1134 858	BOILER	B-2 ALARM	OK				
1135 858	BOILER	B-2 LW ALARM	OK				
1136 858	BOILER	COND RTN FL	OFF				
1137 858	BOILER				B-1 STK TEMP	398.0	DEG F NO COMM
1138 858	BOILER				B-1 FW TEMP	192.3	DEG F UNREAS
1139 858	BOILER				B-1 OIL TEMP	40.4	DEG F NO COMM
1140 858	BOILER				B-2 STK TEMP	386.4	DEG F UNREAS
1141 858	BOILER				B-2 FW TEMP	150.7	DEG F ALARM
1142 858	BOILER				B-2 OIL TEMP	65.1	DEG F NO COMM
1143 858	BOILER				STM PRESS	103.0	PSI NO COMM
1144 858	BOILER				STM TEMP	337.0	DEG F NO COMM
1145 858	BOILER				B-1 STM FLOW	8.4	MAH NO COMM
1146 858	BOILER				COND RTN TEMP	43.0	DEG F NO COMM
1147 858	CTRL AIR	STATUS	ON				
1148 858	CTRL AIR	MAIN AIR STAT	ON				
1149 1501	MZ-1	1ST FL MZU S/S	ON				
1150 1501	MZ-1	1ST FL SAF	ON				
1151 1501	MZ-1				HD TEMP	0.0	DEG F ALARM
1152 1501	MZ-1				CD TEMP	0.0	DEG F ALARM
1153 1501	MZ-1				SP TEMP	0.0	DEG F ALARM
1154 1501	MZ-1				RA TEMP	0.0	DEG F ALARM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1155 1501	MZ-2	2ND FL MZU S/S	ON				
1156 1501	MZ-2	2ND FL SAE	ON				
1157 1501	MZ-2						
1158 1501	MZ-2						
1159 1501	MZ-2						
1160 1501	MZ-2						
1161 1501	DINING						
1162 1501	DINING		ON				
1163 1501	DINING	MZU S/S	ON				
1164 1501	DINING	MZU SAE	ON				
1165 1501	DINING						
1166 1501	DINING						
1167 1501	KITCHEN		ON				
1168 1501	KITCHEN	H2V S/S	ON				
1169 1501	KITCHEN	H2V SAE	ON				
1170 1501	KITCHEN						
1171 1501	KITCHEN						
1172 1501	BALL RM	ACU COMP E/D	OFF	DISABLE			
1173 1501	BALL RM	ACU SAE STAT	OFF	ALARM			
1174 1501	BALL RM	ACU SAE S/S	ON				
1175 1501	BALL RM	COMP AUX CONT	OFF				
1176 1501	BALL RM						
1177 1501	BALL RM						
1178 1501	BALL RM						
1179 1501	CHILLER	E/D	OFF				
1180 1501	CHILLER	AUX CONT	OFF				
1181 1501	CHILLER	CHWP E/D	OFF				
1182 1501	CHILLER	CHWP STAT	OFF				
1183 1501	CHILLER						
1184 1501	CHILLER						
1185 1501	BOILER	E/D	LOCAL				
1186 1501	BOILER	STATUS	ON				
1187 1501	BOILER						
1188 1501	CTRL AIR	STATUS	ON				
1189 1501	WEATHER						
1191 2270	AH-1	SAE STATUS	ON				
1192 2270	AH-1	S/S	ON				
1193 2270	AH-1						
1194 2270	AH-1						
1195 2270	AH-1						
1196 2270	AH-2		ON				
1197 2270	AH-2		ON				
1198 2270	AH-2						
1199 2270	AH-2						
1200 2270	AH-2						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1201 2270	BOILER	B-1 E/D	LOCAL				
1202 2270	BOILER	B-1 STATUS	ON				
1203 2270	BOILER	B-2 E/D	LOCAL				
1204 2270	BOILER	B-2 STATUS	OFF				
1205 2270	BOILER						
1206 2270	WEATHER						
1207 3202	AC-1	S/S STATUS	ON	NO COMM			
1208 3202	AC-1	SAE STATUS	OFF	NO COMM			
1209 3202	AC-1	COMP-1 E/D	LOCAL	NO COMM			
1210 3202	AC-1	COMP-1 STAT	OFF	NO COMM			
1211 3202	AC-1	COMP-2 E/D	LOCAL	NO COMM			
1212 3202	AC-1	COMP-2 STAT	OFF	NO COMM			
1213 3202	AC-1						
1214 3202	AC-1						
1215 3202	AC-1						
1216 3202	AC-2	S/S STATUS	ON	NO COMM			
1217 3202	AC-2	SAE STATUS	OFF	NO COMM			
1218 3202	AC-2	COMP-1 E/D	LOCAL	NO COMM			
1219 3202	AC-2	COMP-1 STAT	OFF	NO COMM			
1220 3202	AC-2	COMP-2 E/D	LOCAL	NO COMM			
1221 3202	AC-2	COMP-2 STAT	OFF	NO COMM			
1222 3202	AC-2						
1223 3202	AC-2						
1224 3202	AC-2						
1225 3202	BOILER	E/D STATUS	LOCAL	NO COMM			
1226 3202	BOILER		OFF	NO COMM			
1227 3202	BOILER						
1228 3211	DT PUMP	E/D STATUS	LOCAL				
1229 3211	DT PUMP		ON				
1230 3211	DT PUMP						
1231 3211	DT PUMP						
1233 3212	DT PUMP	E/D STATUS	LOCAL				
1234 3212	DT PUMP		ON				
1235 3212	DT PUMP						
1236 3212	DT PUMP						
1238 3213	CHILLER	E/D STATUS	OFF				
1239 3213	CHILLER	CHWP-1 E/D	OFF				
1240 3213	CHILLER	CHWP-1 STATUS	OFF				
1241 3213	CHILLER	CHWP-2 E/D	OFF				
1242 3213	CHILLER	CHWP-2 STATUS	OFF				
1243 3213	CHILLER	CHWP-1 E/D	OFF				
1244 3213	CHILLER	CHWP-1 STATUS	OFF				
1245 3213	CHILLER	CHWP-2 E/D	OFF				
1246 3213	CHILLER	CHWP-2 STATUS	OFF				
1247 3213	CHILLER	CT STATUS	OFF				
1248 3213	CHILLER						
1249 3213	CHILLER						
1207 3202	SA TEMP					62.3	DEG F NO COMM
1208 3202	SP TEMP					73.3	DEG F NO COMM
1209 3202	RA TEMP					70.7	DEG F NO COMM
1228 3211	SA TEMP					61.6	DEG F NO COMM
1229 3211	SP TEMP					72.3	DEG F NO COMM
1230 3211	RA TEMP					69.5	DEG F NO COMM
1225 3202	STM TEMP					241.1	DEG F NO COMM
1233 3212	DTWS TEMP					125.7	DEG F
1234 3212	DTWR TEMP					123.1	DEG F
1238 3213	DTWS TEMP					128.4	DEG F
1239 3213	DTWR TEMP					122.6	DEG F
1249 3213	CHWS TEMP					57.0	DEG F

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1250 3213	CHILLER				CHWR TEMP	57.3	DEG F
1251 3213	CHILLER				CWS TEMP	58.3	DEG F
1252 3213	CHILLER				CWR TEMP	53.6	DEG F
1253 3213	BOILER	B-1 E/D	LOCAL				
1254 3213	BOILER	B-1 STATUS	ON				
1255 3213	BOILER	B-2 E/D	LOCAL				
1256 3213	BOILER	B-2 STATUS	ON				
1257 3213	BOILER	B-3 E/D	LOCAL				
1258 3213	BOILER	B-3 STATUS	OFF				
1259 3213	BOILER				STM PRESS	33.9	PSI
1260 3213	DT PUMP	E/D	LOCAL				
1261 3213	DT PUMP	STATUS	ON				
1262 3213	DT PUMP				DTWS TEMP	135.1	DEG F
1263 3213	DT PUMP				DTWR TEMP	129.6	DEG F
1264 3214	CHILLER	E/D	OFF	DISABLE			
1265 3214	CHILLER	STATUS	OFF				
1266 3214	CHILLER	CHWP-1 E/D	OFF				
1267 3214	CHILLER	CHWP-1 STATUS	OFF				
1268 3214	CHILLER	CHWP-2 E/D	OFF				
1269 3214	CHILLER	CHWP-2 STATUS	ON				
1270 3214	CHILLER	CWP-1 E/D	OFF				
1271 3214	CHILLER	CWP-1 STATUS	OFF				
1272 3214	CHILLER	CWP-2 E/D	OFF				
1273 3214	CHILLER	CWP-2 STATUS	OFF				
1274 3214	CHILLER	CT STATUS	OFF				
1275 3214	CHILLER				CHWS TEMP	70.6	DEG F
1276 3214	CHILLER				CHWR TEMP	70.3	DEG F
1277 3214	CHILLER				CWS TEMP	53.8	DEG F
1278 3214	CHILLER				CWR TEMP	69.1	DEG F
1279 3214	BOILER	B-1 E/D	LOCAL				
1280 3214	BOILER	B-1 STATUS	OFF				
1281 3214	BOILER	B-2 E/D	LOCAL				
1282 3214	BOILER	B-2 STATUS	ON				
1283 3214	BOILER	B-3 E/D	LOCAL				
1284 3214	BOILER	B-3 STATUS	OFF				
1285 3214	BOILER				STM PRESS	17.8	PSI
1286 3214	DT PUMP	E/D	LOCAL				ALARM
1287 3214	DT PUMP	STATUS	ON				
1288 3214	DT PUMP				DTWS TEMP	137.3	DEG F
1289 3214	DT PUMP				DTWR TEMP	135.7	DEG F
1290 3214	CTRL AIR	MAIN AIR STAT	ON				
1291 3215	DT PUMP	E/D	LOCAL				
1292 3215	DT PUMP	STATUS	ON				
1293 3215	DT PUMP				DTWS TEMP	110.3	DEG F
1294 3215	DT PUMP				DTWR TEMP	107.8	DEG F
1295 3215	DT PUMP				SP TEMP	0.0	DEG F

NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1296 3216	DT PUMP	E/D STATUS	LOCAL ON				
1297 3216	DT PUMP						
1298 3216	DT PUMP						
1299 3216	DT PUMP						
1300 3216	DT PUMP						
1301 3217	DT PUMP	E/D STATUS	LOCAL ON				
1302 3217	DT PUMP						
1303 3217	DT PUMP						
1304 3217	DT PUMP						
1305 3217	DT PUMP						
1306 3218	DT PUMP	E/D STATUS	LOCAL ON				
1307 3218	DT PUMP						
1308 3218	DT PUMP						
1309 3218	DT PUMP						
1310 3218	DT PUMP						
1311 3610	MZ-1	S/S STATUS	ON	NO COMM			
1312 3610	MZ-1		ON	NO COMM			
1313 3610	MZ-1						
1314 3610	MZ-1						
1315 3610	MZ-1						
1316 3610	MZ-2	S/S STATUS	ON	NO COMM			
1317 3610	MZ-2		ON	NO COMM			
1318 3610	MZ-2						
1319 3610	MZ-2						
1320 3610	MZ-2						
1321 3610	HWP	E/D STATUS	LOCAL ON	NO COMM			
1322 3610	HWP			NO COMM			
1323 3610	HWP						
1324 3610	HWP						
1325 3610	CHWP	E/D STATUS	OFF	NO COMM			
1326 3610	CHWP		OFF	NO COMM			
1327 3610	CHWP						
1328 3610	CHWP						
1329 3610	CTRL AIR	STATUS	ON	NO COMM			
1330 3713	DT PUMP	E/D STATUS	LOCAL ON	NO COMM			
1331 3713	DT PUMP			NO COMM			
1332 3713	DT PUMP						
1333 3713	DT PUMP						
1334 3713	DT PUMP						
1335 3725	DT PUMP	E/D STATUS	LOCAL OFF	NO COMM			
1336 3725	DT PUMP			NO COMM			
1337 3725	DT PUMP						
1338 3725	DT PUMP						
1339 3725	DT PUMP						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1340	MZ-1	S/S	ON	NO COMM	HD TEMP	81.5	DEG F NO COMM
1341	MZ-1	SAF STATUS	OFF	NO COMM	CD TEMP	60.7	DEG F NO COMM
1342	MZ-1				RA TEMP	81.8	DEG F NO COMM
1343	MZ-1				SP TEMP	84.4	DEG F NO COMM
1344	MZ-1						
1345	MZ-1						
1346	MZ-2	S/S	ON	NO COMM	HD TEMP	79.8	DEG F NO COMM
1347	MZ-2	SAF STATUS	OFF	NO COMM	CD TEMP	60.6	DEG F NO COMM
1348	MZ-2				RA TEMP	79.4	DEG F NO COMM
1349	MZ-2				SP TEMP	80.8	DEG F NO COMM
1350	MZ-2						
1351	MZ-2						
1352	MZ-3	S/S	ON	NO COMM	HD TEMP	69.3	DEG F NO COMM
1353	MZ-3	SAF STATUS	OFF	NO COMM	CD TEMP	61.3	DEG F NO COMM
1354	MZ-3				RA TEMP	77.1	DEG F NO COMM
1355	MZ-3				SP TEMP	75.8	DEG F NO COMM
1356	MZ-3						
1357	MZ-3						
1358	CHWP	E/D	OFF	NO COMM	CHWS TEMP	51.8	DEG F NO COMM
1359	CHWP	STATUS	OFF	NO COMM	CHWR TEMP	56.1	DEG F NO COMM
1360	CHWP						
1361	CHWP						
1362	CTRL AIR	STATUS	OFF	NO COMM			
1363	MZ-1	S/S	ON	NO COMM	HD TEMP	60.6	DEG F NO COMM
1364	MZ-1	SAF STATUS	OFF	NO COMM	CD TEMP	62.1	DEG F NO COMM
1365	MZ-1				RA TEMP	81.0	DEG F NO COMM
1366	MZ-1				MA TEMP	81.2	DEG F NO COMM
1367	MZ-1				Z1 SP TEMP	74.9	DEG F NO COMM
1368	MZ-1				Z2 SP TEMP	77.7	DEG F NO COMM
1369	MZ-1				Z3 SP TEMP	74.0	DEG F NO COMM
1370	MZ-1				STM VLV CTL	0.0	% OPEN NO COMM
1371	MZ-1				HD SET POINT	90.0	DEG F NO COMM
1372	MZ-1				OA DMP CTL	0.0	% OPEN NO COMM
1373	MZ-1				OA SET POINT	55.0	DEG F NO COMM
1374	MZ-1				Z1 DMP CTL	10.0	% OPEN NO COMM
1375	MZ-1				Z1 SET POINT	75.0	DEG F NO COMM
1376	MZ-1				Z2 DMP CTL	10.2	% OPEN NO COMM
1377	MZ-1				Z2 SET POINT	75.0	DEG F NO COMM
1378	MZ-1				Z3 DMP CTL	10.0	% OPEN NO COMM
1379	MZ-1				Z3 SET POINT	75.0	DEG F NO COMM
1380	MZ-1						
1381	MZ-1						
1382	MZ-2	S/S	ON	NO COMM	HD TEMP	87.9	DEG F NO COMM
1383	MZ-2	SAF STATUS	ON	NO COMM	CD TEMP	64.3	DEG F NO COMM
1384	MZ-2				RA TEMP	82.4	DEG F NO COMM
1385	MZ-2				MA TEMP	82.1	DEG F NO COMM
1386	MZ-2						
1387	MZ-2						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1388	3759				Z1 SP TEMP	86.6	NO COMM
1389	3759				Z2 SP TEMP	76.2	NO COMM
1390	3759				Z3 SP TEMP	77.4	NO COMM
1391	3759				STM VLV CTL	0.0	NO COMM
1392	3759				OA DMP CTL	0.0	NO COMM
1393	3759				OA SET POINT	55.0	NO COMM
1394	3759				Z1 DMP CTL	10.2	NO COMM
1395	3759				Z1 SET POINT	75.0	NO COMM
1396	3759				Z2 DMP CTL	10.0	NO COMM
1397	3759				Z2 SET POINT	75.0	NO COMM
1398	3759				Z3 DMP CTL	10.2	NO COMM
1399	3759				Z3 SET POINT	76.0	NO COMM
1400	3759						
1401	3759						
1402	3759						
1403	3759						
1404	3759						
1405	3759						
1406	3759						
1407	3759						
1408	3759						
1409	3759						
1410	3759						
1411	3759						
1412	3759						
1413	3759						
1414	3759						
1415	3759						
1416	3759						
1417	3759						
1418	3759						
1419	3759						
1420	3759						
1421	3759						
1422	3759						
1423	3759						
1424	3759						
1425	3763						
1426	3763						
1427	3763						
1428	3763						
1429	3763						
1430	3763						
1431	3763						
1432	3763						
1433	3763						
1434	3763						

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1435 3763	CHWP				CHWS TEMP	83.9	DEG F NO COMM
1436 3763	CHWP				CHWR TEMP	84.6	DEG F NO COMM
1437 3763	CTRL AIR	STATUS	ON	NO COMM			
1438 3766	DT PUMP	E/D STATUS	LOCAL ON	NO COMM			
1439 3766	DT PUMP			NO COMM			
1440 3766	DT PUMP				DTWS TEMP	77.8	DEG F NO COMM
1441 3766	DT PUMP				DTWR TEMP	82.8	DEG F NO COMM
1442 3766	DT PUMP				SP TEMP	72.9	DEG F NO COMM
1443 3767	MZ-1	S/S SAE STATUS	ON	NO COMM			
1444 3767	MZ-1		ON	NO COMM			
1445 3767	MZ-1				HD TEMP	80.6	DEG F NO COMM
1446 3767	MZ-1				CD TEMP	79.8	DEG F NO COMM
1447 3767	MZ-1				RA TEMP	79.2	DEG F NO COMM
1448 3767	MZ-1				SP TEMP	79.7	DEG F NO COMM
1449 3767	MZ-2	S/S SAE STATUS	ON	NO COMM			
1450 3767	MZ-2		ON	NO COMM			
1451 3767	MZ-2				HD TEMP	80.8	DEG F NO COMM
1452 3767	MZ-2				CD TEMP	79.0	DEG F NO COMM
1453 3767	MZ-2				RA TEMP	80.3	DEG F NO COMM
1454 3767	MZ-2				SP TEMP	78.7	DEG F NO COMM
1455 3767	MZ-3	S/S SAE STATUS	ON	NO COMM			
1456 3767	MZ-3		OFF	NO COMM			
1457 3767	MZ-3				HD TEMP	78.2	DEG F NO COMM
1458 3767	MZ-3				CD TEMP	80.3	DEG F NO COMM
1459 3767	MZ-3				RA TEMP	73.1	DEG F NO COMM
1460 3767	MZ-3				SP TEMP	82.2	DEG F NO COMM
1461 3767	MZ-4	S/S SAE STATUS	ON	NO COMM			
1462 3767	MZ-4		OFF	NO COMM			
1463 3767	MZ-4				HD TEMP	78.6	DEG F NO COMM
1464 3767	MZ-4				CD TEMP	75.8	DEG F NO COMM
1465 3767	MZ-4				RA TEMP	75.6	DEG F NO COMM
1466 3767	MZ-4				SP TEMP	75.9	DEG F NO COMM
1467 3767	CHWP	E/D STATUS	OFF	NO COMM			
1468 3767	CHWP		OFF	NO COMM			
1469 3767	CHWP				CHWS TEMP	84.1	DEG F NO COMM
1470 3767	CHWP				CHWR TEMP	82.1	DEG F NO COMM
1471 3767	CTRL AIR	STATUS	OFF	NO COMM			
1472 3780	MZ-1	S/S SAE STATUS	ON	NO COMM			
1473 3780	MZ-1		ON	NO COMM			
1474 3780	MZ-1				HD TEMP	78.7	DEG F NO COMM
1475 3780	MZ-1				CD TEMP	77.6	DEG F NO COMM
1476 3780	MZ-1				RA TEMP-1	82.4	DEG F NO COMM
1477 3780	MZ-1				RA TEMP-2	78.1	DEG F NO COMM
1478 3780	MZ-1				Z1 SP TEMP	79.7	DEG F NO COMM
1479 3780	MZ-1				Z2 SP TEMP	76.6	DEG F NO COMM



BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1480 3780	CHWP	E/D STATUS	OFF	NO COMM			
1481 3780	CHWP		ON	NO COMM			
1482 3780	CHWP				CHWS TEMP	89.9	DEG F
1483 3780	CHWP				CHWR TEMP	87.2	DEG F
1484 3910	ACU-1	S/S	ON				
1485 3910	ACU-1	SAF STATUS	ON				
1486 3910	ACU-1	RAF-1 STAT	ON				
1487 3910	ACU-1	COMP-1 E/D	LOCAL				
1488 3910	ACU-1	COMP-1 STAT	OFF				
1489 3910	ACU-1	RAF-2 STAT	ON				
1490 3910	ACU-1	COMP-2 E/D	LOCAL				
1491 3910	ACU-1	COMP-2 STAT	OFF				
1492 3910	ACU-1				SA TEMP	77.9	DEG F
1493 3910	ACU-1				SP TEMP-1	78.1	DEG F
1494 3910	ACU-1				SP TEMP-2	77.9	DEG F
1495 3910	ACU-2	S/S	ON				
1496 3910	ACU-2	SAF STATUS	ON				
1497 3910	ACU-2	COMP E/D	LOCAL				
1498 3910	ACU-2	COMP STAT	OFF				
1499 3910	ACU-2				SA TEMP	79.8	DEG F
1500 3910	ACU-2				SP TEMP	79.3	DEG F
1501 3910	BOILER	E/D	OFF				
1502 3910	BOILER	STATUS	ON				
1503 3910	BOILER	HWP-1 E/D	OFF	ALARM			
1504 3910	BOILER	HWP-1 STATUS	ON				
1505 3910	BOILER	HWP-2 E/D	OFF	ALARM			
1506 3910	BOILER	HWP-2 STATUS	ON				
1507 3910	BOILER				HWS TEMP	132.6	DEG F
1508 3910	BOILER				HWR TEMP	122.7	DEG F
1509 3910	WEATHER				OA TEMP	35.0	DEG F
1510 3932	MZ-1	S/S	ON	NO COMM			
1511 3932	MZ-1	SAF STATUS	ON	NO COMM			
1512 3932	MZ-1				SA TEMP	82.8	DEG F
1513 3932	MZ-1				RA TEMP	78.4	DEG F
1514 3932	MZ-1				SP TEMP	71.5	DEG F
1515 3932	MZ-2	S/S	ON	NO COMM			
1516 3932	MZ-2	SAF STATUS	OFF	NO COMM			
1517 3932	MZ-2				SA TEMP	85.8	DEG F
1518 3932	MZ-2				RA TEMP	85.6	DEG F
1519 3932	MZ-2				SP TEMP	77.1	DEG F
1520 3932	HWP	E/D	LOCAL	NO COMM			
1521 3932	HWP	STATUS	ON	NO COMM			
1522 3932	HWP				HWS TEMP	85.1	DEG F
1523 3932	HWP				HWR TEMP	84.2	DEG F
1524 3932	CHWP	E/D	OFF	NO COMM			
1525 3932	CHWP	STATUS	OFF	NO COMM			

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1526 3932	CHWP				CHWS TEMP	91.5	DEG F NO COMM
1527 3932	CHWP				CHWR TEMP	92.4	DEG F NO COMM
1528 3932	CTRL AIR	STATUS	ON	NO COMM			
1529 4017	MZ-1	S/S	ON	NO COMM			
1530 4017	MZ-1	SAE STATUS	ON	NO COMM			
1531 4017	MZ-1				HD TEMP	73.3	DEG F NO COMM
1532 4017	MZ-1				CD TEMP	81.0	DEG F NO COMM
1533 4017	MZ-1				RA TEMP	78.3	DEG F NO COMM
1534 4017	MZ-1				SP TEMP	78.1	DEG F NO COMM
1535 4017	MZ-2	S/S	ON	NO COMM			
1536 4017	MZ-2	SAE STATUS	OFF	NO COMM			
1537 4017	MZ-2				HD TEMP	75.8	DEG F NO COMM
1538 4017	MZ-2				CD TEMP	79.3	DEG F NO COMM
1539 4017	MZ-2				RA TEMP	76.3	DEG F NO COMM
1540 4017	MZ-2				SP TEMP	79.0	DEG F NO COMM
1541 4017	MZ-3	S/S	OFF	NO COMM			
1542 4017	MZ-3	SAE STATUS	OFF	NO COMM			
1543 4017	MZ-3				HD TEMP	73.0	DEG F NO COMM
1544 4017	MZ-3				CD TEMP	70.8	DEG F NO COMM
1545 4017	MZ-3				RA TEMP	75.3	DEG F NO COMM
1546 4017	MZ-3				SP TEMP	77.6	DEG F NO COMM
1547 4017	CHWP	E/D	OFF	NO COMM			
1548 4017	CHWP	STATUS	OFF	NO COMM			
1549 4017	CHWP				CHWS TEMP	78.3	DEG F NO COMM
1550 4017	CHWP				CHWR TEMP	81.1	DEG F NO COMM
1551 4017	CTRL AIR	STATUS	OFF	NO COMM			
1552 4021	MZ-1	S/S	ON				
1553 4021	MZ-1	SAE STATUS	ON				
1554 4021	MZ-1				HD TEMP	118.3	DEG F
1555 4021	MZ-1				CD TEMP	66.5	DEG F
1556 4021	MZ-1				RA TEMP-1	78.6	DEG F
1557 4021	MZ-1				RA TEMP-2	72.4	DEG F
1558 4021	MZ-1				Z1 SP TEMP	78.0	DEG F
1559 4021	MZ-1				Z2 SP TEMP	77.2	DEG F
1560 4021	CHWP	E/D	OFF				
1561 4021	CHWP	STATUS	OFF				
1562 4021	CHWP				CHWS TEMP	69.3	DEG F
1563 4021	CHWP				CHWR TEMP	71.8	DEG F
1564 4054	MZ-1	S/S	ON	NO COMM			
1565 4054	MZ-1	STATUS	ON	NO COMM			
1566 4054	MZ-1				HD TEMP	67.7	DEG F NO COMM
1567 4054	MZ-1				CD TEMP	72.0	DEG F NO COMM
1568 4054	MZ-1				RA TEMP	75.9	DEG F NO COMM
1569 4054	MZ-1				SP TEMP	72.0	DEG F NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1570 4054	MZ-2	S/S STATUS	ON	NO COMM	HD TEMP	67.4	NO COMM
1571 4054	MZ-2		OFF	NO COMM	CD TEMP	69.5	NO COMM
1572 4054	MZ-2				RA TEMP	76.1	NO COMM
1573 4054	MZ-2				SP TEMP	74.3	NO COMM
1574 4054	MZ-2						
1575 4054	MZ-2						
1576 4054	MZ-3	S/S STATUS	ON	NO COMM	HD TEMP	66.3	NO COMM
1577 4054	MZ-3		ON	NO COMM	CD TEMP	68.3	NO COMM
1578 4054	MZ-3				RA TEMP	80.1	NO COMM
1579 4054	MZ-3				SP TEMP	75.2	NO COMM
1580 4054	MZ-3						
1581 4054	MZ-3						
1582 4054	MZ-4	S/S STATUS	ON	NO COMM	HD TEMP	76.2	NO COMM
1583 4054	MZ-4		OFF	NO COMM	CD TEMP	77.6	NO COMM
1584 4054	MZ-4				RA TEMP	79.1	NO COMM
1585 4054	MZ-4				SP TEMP	75.7	NO COMM
1586 4054	MZ-4						
1587 4054	MZ-4						
1588 4054	MZ-5	S/S STATUS	ON	NO COMM	HD TEMP	77.6	NO COMM
1589 4054	MZ-5		OFF	NO COMM	CD TEMP	79.2	NO COMM
1590 4054	MZ-5				RA TEMP	74.7	NO COMM
1591 4054	MZ-5				SP TEMP	71.2	NO COMM
1592 4054	MZ-5						
1593 4054	MZ-5						
1594 4054	CHWP	E/D STATUS	OFF	NO COMM	CHWS TEMP	75.6	NO COMM
1595 4054	CHWP		ON	NO COMM	CHWR TEMP	76.6	NO COMM
1596 4054	CHWP						
1597 4054	CHWP						
1598 4054	CTRL AIR	STATUS	OFF	NO COMM			
1599 4062	MZ-1	S/S SAE STATUS	ON	NO COMM	HD TEMP	67.9	NO COMM
1600 4062	MZ-1		ON	NO COMM	CD TEMP	73.1	NO COMM
1601 4062	MZ-1				RA TEMP	71.6	NO COMM
1602 4062	MZ-1				SP TEMP	73.4	NO COMM
1603 4062	MZ-1						
1604 4062	MZ-1						
1605 4062	MZ-2	S/S SAE STATUS	ON	NO COMM	HD TEMP	70.3	NO COMM
1606 4062	MZ-2		ON	NO COMM	CD TEMP	75.6	NO COMM
1607 4062	MZ-2				RA TEMP	75.0	NO COMM
1608 4062	MZ-2				SP TEMP	76.6	NO COMM
1609 4062	MZ-2						
1610 4062	MZ-2						
1611 4062	MZ-3	S/S SAE STATUS	ON	NO COMM	HD TEMP	56.2	NO COMM
1612 4062	MZ-3		OFF	NO COMM	CD TEMP	73.8	NO COMM
1613 4062	MZ-3				RA TEMP	72.5	NO COMM
1614 4062	MZ-3						
1615 4062	MZ-3						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1616 4062	MZ-3				SP TEMP	79.5	DEG F NO COMM
1617 4062	CHWP		OFF	NO COMM			
1618 4062	CHWP	E/D STATUS	OFF	NO COMM			
1619 4062	CHWP				CHWS TEMP	76.2	DEG F NO COMM
1620 4062	CHWP				CHWR TEMP	76.5	DEG F NO COMM
1621 4062	CTRL AIR	STATUS	OFF	NO COMM			
1622 4067	DT PUMP		LOCAL	NO COMM			
1623 4067	DT PUMP	E/D STATUS	ON	NO COMM			
1624 4067	DT PUMP				DTWS TEMP	70.9	DEG F DISABLE
1625 4067	DT PUMP				DTWR TEMP	75.7	DEG F NO COMM
1626 4067	DT PUMP				SP TEMP	75.8	DEG F NO COMM
1627 4068	MZ-1	S/S SAE STATUS	ON	NO COMM			
1628 4068	MZ-1		OFF	NO COMM			
1629 4068	MZ-1				HD TEMP	66.4	DEG F NO COMM
1630 4068	MZ-1				CD TEMP	68.9	DEG F NO COMM
1631 4068	MZ-1				RA TEMP	84.9	DEG F NO COMM
1632 4068	MZ-1				SP TEMP	80.5	DEG F NO COMM
1633 4068	MZ-2	S/S SAE STATUS	ON	NO COMM			
1634 4068	MZ-2		ON	NO COMM			
1635 4068	MZ-2				HD TEMP	74.4	DEG F NO COMM
1636 4068	MZ-2				CD TEMP	68.4	DEG F NO COMM
1637 4068	MZ-2				RA TEMP	81.8	DEG F NO COMM
1638 4068	MZ-2				SP TEMP	84.3	DEG F NO COMM
1639 4068	MZ-3	S/S SAE STATUS	ON	NO COMM			
1640 4068	MZ-3		ON	NO COMM			
1641 4068	MZ-3				HD TEMP	78.4	DEG F NO COMM
1642 4068	MZ-3				CD TEMP	87.4	DEG F NO COMM
1643 4068	MZ-3				RA TEMP	81.4	DEG F NO COMM
1644 4068	MZ-3				SP TEMP	81.4	DEG F NO COMM
1645 4068	CHWP	E/D STATUS	OFF	NO COMM			
1646 4068	CHWP		OFF	NO COMM			
1647 4068	CHWP				CHWS TEMP	60.4	DEG F NO COMM
1648 4068	CHWP				CHWR TEMP	65.5	DEG F NO COMM
1649 4068	CTRL AIR	STATUS	OFF	NO COMM			
1650 6990	MZ-1	S/S SAE STATUS	ON	NO COMM			
1651 6990	MZ-1	DX E/D	ON	NO COMM			
1652 6990	MZ-1	DX STATUS	LOCAL	NO COMM			
1653 6990	MZ-1		OFF	NO COMM			
1654 6990	MZ-1				HD TEMP	79.3	DEG F NO COMM
1655 6990	MZ-1				CD TEMP	78.0	DEG F NO COMM
1656 6990	MZ-1				RA TEMP	78.1	DEG F NO COMM
1657 6990	MZ-1				SP TEMP	78.7	DEG F NO COMM
1658 6990	MZ-2	S/S SAE STATUS	ON	NO COMM			
1659 6990	MZ-2		ON	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1660 6990	MZ-2				HD TEMP	57.6	DEG F NO COMM
1661 6990	MZ-2				RA TEMP	76.5	DEG F NO COMM
1662 6990	MZ-2				SP TEMP	81.1	DEG F NO COMM
1663 6990	BOILER	STATUS	OFF	NO COMM			
1664 6990	BOILER	E/D	LOCAL	NO COMM			
1665 6990	BOILER	HWP E/D	LOCAL	NO COMM			
1666 6990	BOILER	HWP STATUS	ON	NO COMM			
1667 6990	BOILER				HWS TEMP	81.9	DEG F NO COMM
1668 6990	BOILER				HWR TEMP	74.3	DEG F NO COMM
1669 6990	CTRL AIR	STATUS	ON	NO COMM			
1670 6992	MZ-1	S/S	ON				
1671 6992	MZ-1	SAF STATUS	ON				
1672 6992	MZ-1	DX E/D	LOCAL				
1673 6992	MZ-1	DX STATUS	OFF				
1674 6992	MZ-1				HD TEMP	76.1	DEG F ALARM
1675 6992	MZ-1				CU TEMP	63.4	DEG F ALARM
1676 6992	MZ-1				RA TEMP	58.9	DEG F ALARM
1677 6992	MZ-1				SP TEMP	51.6	DEG F ALARM
1678 6992	MZ-2	S/S	ON				
1679 6992	MZ-2	SAF STATUS	OFF	ALARM			
1680 6992	MZ-2				HD TEMP	80.9	DEG F ALARM
1681 6992	MZ-2				RA TEMP	76.4	DEG F ALARM
1682 6992	MZ-2				SP TEMP	56.8	DEG F ALARM
1683 6992	BOILER	E/D	LOCAL				
1684 6992	BOILER	STATUS	OFF				
1685 6992	BOILER	HWP E/D	LOCAL				
1686 6992	BOILER	HWP STATUS	ON	DISABLE			
1687 6992	BOILER				HWS TEMP	239.5	DEG F NO COMM
1688 6992	BOILER				HWR TEMP	180.1	DEG F ALARM
1689 6992	CTRL AIR	STATUS	ON				
1690 7118	CHILLER	E/D	OFF	NO COMM			
1691 7118	CHILLER	STATUS	OFF	NO COMM			
1692 7118	CHILLER	PUMP E/D	OFF	NO COMM			
1693 7118	CHILLER	PUMP STATUS	OFF	NO COMM			
1694 7118	HWP	E/D	OFF	NO COMM			
1695 7118	HWP	STATUS	OFF	NO COMM			
1696 7118	DT PUMP	E/D	LOCAL				
1697 7118	DT PUMP	STATUS	ON	NO COMM			
1698 7118	DT PUMP				DTWS TEMP	73.1	DEG F NO COMM
1699 7118	DT PUMP				DTWR TEMP	76.9	DEG F NO COMM
1700 7118	DT PUMP				SP TEMP	0.0	DEG F NO COMM
1701 7118	CTRL AIR	STATUS	ON	NO COMM			
1702 7120	CHILLER	E/D	LOCAL	NO COMM			

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1703	CHILLER	STATUS	OFF	NO COMM			
1704	CHILLER	PUMP E/D	LOCAL	NO COMM			
1705	CHILLER	PUMP STATUS	OFF	DISABLE			
1706	HWP	E/D	OFF	NO COMM			
1707	HWP	STATUS	OFF	NO COMM			
1708	DT PUMP	E/D	LOCAL	NO COMM			
1709	DT PUMP	STATUS	OFF	NO COMM			
1710	DT PUMP				DTWS TEMP	137.4	DEG F
1711	DT PUMP				DTWR TEMP	48.1	DEG F
1712	DT PUMP				SP TEMP	0.0	DEG F
1713	CTRL AIR	STATUS	ON	NO COMM			
1714	BOILER	B-1 E/D	LOCAL				
1715	BOILER	B-1 STATUS	ON				
1716	BOILER	B-1 OIL	OFF				
1717	BOILER	B-1 ALARM	OK				
1718	BOILER	B-1 LW ALARM	OK				
1719	BOILER	B-2 E/D	LOCAL				
1720	BOILER	B-2 STATUS	OFF				
1721	BOILER	B-2 OIL	OFF				
1722	BOILER	B-2 ALARM	OK				
1723	BOILER	B-2 LW ALARM	OK				
1724	BOILER	B-3 E/D	LOCAL				
1725	BOILER	B-3 STATUS	ON				
1726	BOILER	B-3 OIL	OFF				
1727	BOILER	B-3 ALARM	OK				
1728	BOILER	B-3 LW ALARM	OK				
1729	BOILER	EW	ON				
1730	BOILER	COND RTN FL	OFF				
1731	BOILER	CONDENSATE	OFF				
1732	BOILER				B-1 STK TEMP	332.4	DEG F
1733	BOILER				B-1 OIL TEMP	74.2	DEG F
1734	BOILER				B-2 STK TEMP	300.5	DEG F
1735	BOILER				B-2 OIL TEMP	83.4	DEG F
1736	BOILER				B-3 STK TEMP	308.1	DEG F
1737	BOILER				B-3 OIL TEMP	79.6	DEG F
1738	BOILER				STM PRESS	86.4	PSI
1739	BOILER				STM TEMP	301.3	DEG F
1740	BOILER				STM FLOW	9.3	MA
1741	BOILER				COND RTN TEMP	180.8	DEG F
1742	BOILER				FW TEMP	127.5	DEG F
1743	CTRL AIR	STATUS	ON				
1744	CTRL AIR	MAIN AIR STAT	ON				
1745	AH-1	S/S	ON	NO COMM			
1746	AH-1	SAF STATUS	ON	NO COMM			
1747	AH-1	COMP E/D	LOCAL	NO COMM			
1748	AH-1	COMP STATUS	OFF	NO COMM			
1749	AH-1				RM 101 SP TEMP	66.9	DEG F
1750	AH-1				RM 102 SP TEMP	60.0	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1751 7264	AH-1				RM 103 SP TEMP	0.0	NO COMM
1752 7264	AH-1				RM 104 SP TEMP	0.0	NO COMM
1753 7264	AH-1				RM 105 SP TEMP	0.0	NO COMM
1754 7264	AH-1				RM 106 SP TEMP	0.0	NO COMM
1755 7264	AH-1				RM 107 SP TEMP	0.0	NO COMM
1756 7264	AH-1				RM 109 SP TEMP	0.0	NO COMM
1757 7264	AH-1				RM 110 SP TEMP	64.0	NO COMM
1758 7264	AH-1				RM 113 SP TEMP	0.0	NO COMM
1759 7264	AH-1				RM 114 SP TEMP	0.0	NO COMM
1760 7264	AH-1				RM 115 SP TEMP	0.0	NO COMM
1761 7264	AH-1				RM 119 SP TEMP	0.0	NO COMM
1762 7264	AH-1				RM 122 SP TEMP	0.0	NO COMM
1763 7264	AH-1				RM 123 SP TEMP	0.0	NO COMM
1764 7264	AH-1				RM 126 SP TEMP	0.0	NO COMM
1765 7264	AH-1				RM 127 SP TEMP	47.0	NO COMM
1766 7264	AH-1				RM 129 SP TEMP	0.0	NO COMM
1767 7264	AH-1				RM 130 SP TEMP	0.0	NO COMM
1768 7264	AH-1				RM 131 SP TEMP	0.0	NO COMM
1769 7264	AH-1				RM 133 SP TEMP	0.0	NO COMM
1770 7264	AH-1				RM 134 SP TEMP	0.0	NO COMM
1771 7264	AH-1				AHU-1 SP TEMP	0.0	NO COMM
1772 7264	AH-1				AHU-1 RA TEMP	0.0	NO COMM
1773 7264	AH-2	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1774 7264	AH-2	SAF STATUS	OFF	NO COMM			
1775 7264	AH-2						
1776 7264	AH-3	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1777 7264	AH-3	SAF STATUS	ON	NO COMM			
1778 7264	AH-3						
1779 7264	AH-4	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1780 7264	AH-4	SAF STATUS	OFF	NO COMM			
1781 7264	AH-4						
1782 7264	AH-5	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1783 7264	AH-5	SAF STATUS	ON	NO COMM			
1784 7264	AH-5						
1785 7264	AH-6	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1786 7264	AH-6	SAF STATUS	OFF	NO COMM			
1787 7264	AH-6						
1788 7264	AH-7	S/S STATUS	ON	NO COMM	SP TEMP	0.0	NO COMM
1789 7264	AH-7	SAF STATUS	ON	NO COMM			
1790 7264	AH-7						
1791 7264	AH-8	S/S STATUS	ON	NO COMM	SP TEMP	15.2	NO COMM
1792 7264	AH-8	SAF STATUS	ON	NO COMM			
1793 7264	AH-8						
1794 7264	BOILER	STATUS	OFF	NO COMM	SP TEMP	15.2	NO COMM
1795 7264	BOILER	HWP-1 E/D	LOCAL	NO COMM			
1796 7264	BOILER	HWP-1 FL SW	ON	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1797 7264	BOILER	HWP-2 E/D	LOCAL	NO COMM			
1798 7264	BOILER	HWP-2 EL SW	ON	NO COMM			
1799 7264	BOILER				HWS TEMP	133.9	DEG F
1800 7264	BOILER				HWR TEMP	0.0	DEG F
1801 7264	WEATHER				OA TEMP	0.0	DEG F
1802 7540	AH-1	S/S	ON	NO COMM			
1803 7540	AH-1	EAN STATUS	ON	NO COMM			
1804 7540	AH-1				SA TEMP	0.0	DEG F
1805 7540	AH-1				RA TEMP	0.0	DEG F
1806 7540	AH-1				SP TEMP	73.3	DEG F
1807 7540	AH-2	S/S	ON	NO COMM			
1808 7540	AH-2	EAN STATUS	OFF	DISABLE			
1809 7540	AH-2				SA TEMP	77.0	DEG F
1810 7540	AH-2				SP TEMP	75.7	DEG F
1811 7540	AH-3	S/S	ON	NO COMM			
1812 7540	AH-3	EAN STATUS	OFF	NO COMM			
1813 7540	AH-3				SA TEMP	108.4	DEG F
1814 7540	AH-3				RA TEMP	80.1	DEG F
1815 7540	AH-3				SP TEMP	73.9	DEG F
1816 7540	BOILER	E/D	LOCAL	NO COMM			
1817 7540	BOILER	STATUS	OFF	NO COMM			
1818 7540	BOILER				STM PRESS	0.8	PSI
1819 7540	WEATHER				OA TEMP	61.7	DEG F
1820 3759	MZ-2				HD SET POINT	90.0	DEG F
1821 3759	MZ-3				HD SET POINT	90.0	DEG F
1825 999999-2	TEST UNIT 1	DI 01	OFF	NO COMM			
1826 999999-2	TEST UNIT 1	DI 02	OFF	NO COMM			
1827 999999-2	TEST UNIT 1	DI 03	OFF	NO COMM			
1828 999999-2	TEST UNIT 1	DI 04	OFF	NO COMM			
1829 999999-2	TEST UNIT 1	DI 05	OFF	NO COMM			
1830 999999-2	TEST UNIT 1	DI 06	OFF	NO COMM			
1831 999999-2	TEST UNIT 1	DI 07	OFF	NO COMM			
1832 999999-2	TEST UNIT 1	DI 08	OFF	NO COMM			
1833 999999-2	TEST UNIT 1	DO 01	OFF	NO COMM			
1834 999999-2	TEST UNIT 1	DO 02	OFF	NO COMM			
1835 999999-2	TEST UNIT 1	DO 03	OFF	NO COMM			
1836 999999-2	TEST UNIT 1	DO 04	OFF	NO COMM			
1837 999999-2	TEST UNIT 1	DO 05	OFF	NO COMM			
1838 999999-2	TEST UNIT 1	DO 06	OFF	NO COMM			
1839 999999-2	TEST UNIT 1	DO 07	OFF	NO COMM			
1840 999999-2	TEST UNIT 1	DO 08	OFF	NO COMM			
1841 999999-2	TEST UNIT 1				AI 01	60.0	DEG F
1842 999999-2	TEST UNIT 1				AI 02	60.0	DEG F
1843 999999-2	TEST UNIT 1				AI 03	59.8	DEG F
1844 999999-2	TEST UNIT 1				AI 04	59.9	DEG F



ELDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1845	9999999-2	TEST UNIT 1			AO 01		NO COMM
1846	9999999-2	TEST UNIT 1			AO 02		NO COMM
1847	9999999-2	TEST UNIT 2	DI 09	NO COMM			
1848	9999999-2	TEST UNIT 2	DI 10	NO COMM			
1849	9999999-2	TEST UNIT 2	DI 11	NO COMM			
1850	9999999-2	TEST UNIT 2	DI 12	NO COMM			
1851	9999999-2	TEST UNIT 2	DI 13	NO COMM			
1852	9999999-2	TEST UNIT 2	DI 14	NO COMM			
1853	9999999-2	TEST UNIT 2	DI 15	NO COMM			
1854	9999999-2	TEST UNIT 2	DI 16	NO COMM			
1855	9999999-2	TEST UNIT 2	DO 09	NO COMM			
1856	9999999-2	TEST UNIT 2	DO 10	NO COMM			
1857	9999999-2	TEST UNIT 2	DO 11	NO COMM			
1858	9999999-2	TEST UNIT 2	DO 12	NO COMM			
1859	9999999-2	TEST UNIT 2	DO 13	NO COMM			
1860	9999999-2	TEST UNIT 2	DO 14	NO COMM			
1861	9999999-2	TEST UNIT 2	DO 15	NO COMM			
1862	9999999-2	TEST UNIT 2	DO 16	NO COMM			
1863	9999999-2	TEST UNIT 2			AI 05	60.0	NO COMM
1864	9999999-2	TEST UNIT 2			AI 06	59.9	NO COMM
1865	9999999-2	TEST UNIT 2			AI 07	60.0	NO COMM
1866	9999999-2	TEST UNIT 2			AI 08	60.0	NO COMM
1867	9999999-2	TEST UNIT 2			AO 03	0.0	NO COMM
1868	9999999-2	TEST UNIT 2			AO 04	0.0	NO COMM
1869	9999999-2	TEST UNIT 3	DI 17	NO COMM			
1870	9999999-2	TEST UNIT 3	DI 18	NO COMM			
1871	9999999-2	TEST UNIT 3	DI 19	NO COMM			
1872	9999999-2	TEST UNIT 3	DI 20	NO COMM			
1873	9999999-2	TEST UNIT 3	DI 21	NO COMM			
1874	9999999-2	TEST UNIT 3	DI 22	NO COMM			
1875	9999999-2	TEST UNIT 3	DI 23	NO COMM			
1876	9999999-2	TEST UNIT 3	DI 24	NO COMM			
1877	9999999-2	TEST UNIT 3	DO 17	NO COMM			
1878	9999999-2	TEST UNIT 3	DO 18	NO COMM			
1879	9999999-2	TEST UNIT 3	DO 19	NO COMM			
1880	9999999-2	TEST UNIT 3	DO 20	NO COMM			
1881	9999999-2	TEST UNIT 3	DO 21	NO COMM			
1882	9999999-2	TEST UNIT 3	DO 22	NO COMM			
1883	9999999-2	TEST UNIT 3	DO 23	NO COMM			
1884	9999999-2	TEST UNIT 3	DO 24	NO COMM			
1885	9999999-2	TEST UNIT 3			AI 09	32.3	NO COMM
1886	9999999-2	TEST UNIT 3			AI 10	4.6	NO COMM
1887	9999999-2	TEST UNIT 3			AI 11	117.4	NO COMM
1888	9999999-2	TEST UNIT 3			AI 12	0.0	NO COMM
1889	9999999-2	TEST UNIT 3			AO 05	0.0	NO COMM
1890	9999999-2	TEST UNIT 3			AO 06	0.0	NO COMM
1891	9999999-2	TEST UNIT 4	DI 25	NO COMM			
1892	9999999-2	TEST UNIT 4	DI 26	NO COMM			
1893	9999999-2	TEST UNIT 4	DI 27	NO COMM			
1894	9999999-2	TEST UNIT 4	DI 28	NO COMM			
1895	9999999-2	TEST UNIT 4	DI 29	NO COMM			

## ALL POINTS SUMMARY

FORT CAMPBELL PRIMARY

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BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1896 999999-2	TEST UNIT 4	DI 30	OFF	NO COMM			
1897 999999-2	TEST UNIT 4	DI 31	OFF	NO COMM			
1898 999999-2	TEST UNIT 4	DI 32	OFF	NO COMM			
1899 999999-2	TEST UNIT 4	DO 25	OFF	NO COMM			
1900 999999-2	TEST UNIT 4	DO 26	OFF	NO COMM			
1901 999999-2	TEST UNIT 4	DO 27	OFF	NO COMM			
1902 999999-2	TEST UNIT 4	DO 28	OFF	NO COMM			
1903 999999-2	TEST UNIT 4	DO 29	OFF	NO COMM			
1904 999999-2	TEST UNIT 4	DO 30	OFF	NO COMM			
1905 999999-2	TEST UNIT 4	DO 31	OFF	NO COMM			
1906 999999-2	TEST UNIT 4	DO 32	OFF	NO COMM			
1907 999999-2	TEST UNIT 4				AI 13	94.3	DEG F NO COMM
1908 999999-2	TEST UNIT 4				AI 14	79.5	DEG F NO COMM
1909 999999-2	TEST UNIT 4				AI 15	0.0	DEG F NO COMM
1910 999999-2	TEST UNIT 4				AI 16	0.0	DEG F NO COMM
1911 999999-2	TEST UNIT 4				AO 07	0.0	VOLTS NO COMM
1912 999999-2	TEST UNIT 4				AO 08	0.0	VOLTS NO COMM
1913 999999-2	TEST UNIT 5				PA 01	0.0	COUNTS NO COMM
1914 999999-2	TEST UNIT 5				PA 02	0.0	COUNTS NO COMM
1915 858	BOILER				B-1 CALC FLOW	7358.0	LBSHR
1916 7264	BOILER	RFE	OFF	NO COMM			
1917 858	BOILER				B-2 STM FLOW	4.1	MA UNREAS
1918 858	BOILER				B-2 CALC FLOW	1271.7	LBSHR UNREAS
1920 7223	BOILER				B-1 CALC FLOW	7193.7	LBSHR
1921 7223	BOILER				B-2 STM FLOW	4.1	MA UNREAS
1922 7223	BOILER				B-2 CALC FLOW	1122.5	LBSHR UNREAS
1923 7008	BOILER SYSTEM	E/D R-3	LOCAL				
1924 7008	MAIN SYSTEM	R-3 STATUS	ON				
1925 7008	MAIN SYSTEM	ALARM B-3	OPEN				
1926 7008	MAIN SYSTEM	LEVEL B-3	OPEN				
1927 7008	MAIN SYSTEM	INSTR AIR B-3	CLEAR				
1928 7008	MAIN SYSTEM				STK TEMP B-3	394.5	DEG F
1902 TOTAL RECORDS							

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EMCS

FM CONTROL

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EMCS

196 7001

FM

CONTROL

-Ft. Campbell

HW HEATERS

BLDG NO.COOLING PTS.HEATING PTS.

15

1

23

1

30

1

70

1

82

1

97

2

168

1

615

2

719

2

731

1

2

734

1

737

1

749

1

750

1

751

1

752

1

753

1

754

1

755

1

756

1

757

1

758

1

812

1

834

1

836

1

1

837

1

846

13

850

3

857

1

862

5

863

6

865

1

868

6

869

1

871

1

875 36

2

67.5

2/95

# F M CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS</u>	<u>HW HEATERS HEATING PTS</u>
877		1
1601	1	
2191		4
2301		2
2303	2	
2306		5
2307		3
2402		2
2403		1
2430	1	
2432	1	1
2534		3
2540		2
2548		2
2550		1
2605		1
2613		1
2617		1
2625		1
2627		1
2699		3
2901		1
2950A		1
2951		5
2957	1	5
2959	1	5
2965		5
2967		4
2969		2
3000	2	
3001	2	
3108		1
3109	1	
3130		5
3133		2
3134 34		2

# F M CONTROL

<u>BIDS NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
3135		2
3136		5
3137		5
3139		5
3141		2
3142		2
3143		2
3144		5
3147		5
3148		2
3149		2
3170		5
3172		2
3174		3
3176		5
3180		2
3182		2
3184		5
3186		5
3202	2	
3206	2	
3208		2
3209		3
3210		1
5115		8
5117		5
5148		5
5212		4
5213		5
5214		6
5326		1
5330		1
5611		3
5643		1
5660		1
5668 36		1
		<u>113</u>

# FM CONTROL

<u>BUDG NO.</u>	<u>COOLING PTS</u>	<u>HW Heaters HEATING PTS</u>
5711		1
5712		2
5713		1
5715		1
5717		1
5722		2
5723		1
5724		2
5725	1	
5727		1
5728		2
5730		1
5815		1
5819		1
5823		2
5829		2
5848		1
6801		1
6139	1	
6140	1	
6550	2	
6634	1	
6708		1
6713		3
6714	1	
6715		1
6717		1
6720	2	
6722	1	
6723		3
6729		2
6734		3
6735		2
6736		1
6737		1
6738 36		1

# FM CONTROL

<u>BADG NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
6773		1
6784		1
6789		1
6804		1
6806		1
6847		1
6901		2
6902		2
6903	1	
6904		1
6905		1
6907		1
6908		1
6913		1
6914		1
6915		1
6916		1
6933		1
6934		1
6935		1
7043		1
7047		1
7050		1
7143		1
7144		1
7164		1
7220		1
7223	1	
7253	1	1
7259	1	1
7265		2
7295	1	
7352		5
7502		1
7504		1
7510 36		1



# F/M CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
7526		1
7580	1	
7603	2	1
7825		1
7833	2	1
7834		2
7851	1	1
7858		1
	<u>6</u>	<u>8</u>

2170	2 - heating	cooling
2172	2	
2174	2	
2176	2	
2178	2	
2180	2	
2182	2	
2184	2	

# H. Campbell

## 2195 EMCS

TOTAL BLD 1433 + 4 = 1437

AREA #1

Bldg. 1536 — 1564 29 (23) — 82

AREA #2

Bldg. 7301 — 7345 45 (39) 62 —

AREA #3

Bldg. 7348 — 7369 A+B 22 (20) 62 —

7369 C — 7421 52 (41) 63 —

AREA #4

Bldg. 1477 — 1535 58 (46) — 82

AREA #5

Bldg. 1201 — 1213 13 (14) 63 —

1214 — 1349 36 2 64 —

1350 — 1449 99 (100) 65 —

AREA #6

Bldg. 2001 — 2011 11 (12) 3 65 —

2012 — 2086 75 4 66 —

AREA #7

Bldg. 1140 — 1195 46 72 82

AREA #8

Bldg. 1009 — 1010 A 2 5 66 —

1010 B — 1042 32 67 —

AREA #9

Bldg. 465 — 499 25 (35) — 82

AREA #10

Bldg. 402 — 448 A 47 6 67 —

448 B — 572 A 24 7 68 —

572 B — 589 17 1 69 —

AREA #11

Bldg. 2844 — 2894 A 51 4 69

2894 B — 2911 17 (20) 70

AREA #12

A-C

W-H

Bldg. 3002 - 3003 D	2	—	82
3003E - 3040 A	37	—	83
3040B - 3045	5	—	84

AREA #13

Bldg. 4920 - 4928 A	8 (19)	72	84
4928B - 4965 B	37	73	84
4965C - 4985	20	74	84

AREA #14

Bldg. 3830 A - B	1	74	84
3830C - 3839	9	74	85

AREA #15

Bldg. 3806 - 3818 A	4 (5)	74	85
3818B - 3871	11	75	85

AREA #16

Bldg. 4801 - 4825 I	24 (25)	—	85
4825 - J-K-L	—	—	86

AREA #17

Bldg. 4701 - 4743 D	43	—	86
4743E - 4756	13 (14)	—	87

AREA #18

Bldg. 4101 - 4129 B	29	—	87
4129C - 4156	17 (16)	—	88

AREA #19

Bldg. 4602 - 4648	47	75	88
4649 - 4697	48 (49)	76	89

AREA #20

Bldg. 4501 - 4517	17 (18)	76	89
4518 - 4572	54 (55)	77	89

426 (434)

# AREA #21

Bldg. 4402-4420

19

A-C

77

W-H

89

4421

1

78

89

4422-4479

58

78

90

# AREA #22

Bldg. 4301-4311

11

(12)

78

90

4312-4391

19

(20)

79

90

4392-4393

2

80

90

4394-4399

6

80

91

# AREA #23

Bldg. 4202-4233 B

32

80

91

4233C-4264

31

(32)

81

91

# AREA #24

Bldg. 7101-7104

4

(5)

—

91

# OPTION #001

Bldg. 5017-5030A

14

70

5030B-5095

65

71

322 (326)

NOTE

COMMON TO ALL FM SWITCHES

F1 FUNCTION ONLY

F1 CLEN — NO

F2 CLEN — NO

SCRAM EN — YES

SCRAM SEL — 255

T.O.B

T.O.A

7.5 MIN.

TOTAL OLD

14.37

(1480)

(1488 TOTAL ALL)

Serial

OLD

HAVE

2 APT

"

"

4

"

"

8

"

---

# FORT CAMPBELL LATEST CONSTRUCTION

WITH POSSIBLE EMCS CAPABILITY

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Function Key F3 For Selection - Esc To Exit

Station	Type	Fund	Line	Item	Authyr	Install	Emcode	Desc
21128	10		0004004	92		FT CAMPBELL	WD	MED SUP WH-PWRS (op Hosp. EMCS)
21128	10		0008200	92		FT CAMPBELL	WD	MOD 3 DIN FAC
21128	10		0009148	90		FT CAMPBELL	WD	GEN PRP MNT SHP
21128	10		0010663	95		FT CAMPBELL	WD	MOUT
21128	10		0012148	92		FT CAMPBELL	WD	SIMULATION CTR (no needs to be)
21128	10		0015369	95		FT CAMPBELL	WD	EMCS EXPANSION
21128	10		0025158	93		FT CAMPBELL	WD	CONSOL MAIN FAC
21128	10		0186310	95		FT CAMPBELL	WD	AVUM HANGAR-SABER
21128	10		0186360	95		FT CAMPBELL	WD	VEH MNT SHOPS
21128	10		0333450	93		FT CAMPBELL	WD	CAAF IMP
21128	10		0333740	96		FT CAMPBELL	WD	BKS RENEWAL
21128	10		0369000	94		FT CAMPBELL	WD	HANGAR ADDITION
21128	42		0177510	94		FT CAMPBELL	WD	FH W-N REVIT
21128	42		0251780	96		FT CAMPBELL	WD	FH IMPROVE
21128	49		0036977	93		FT CAMPBELL	WD	SYS INT FAC
21128	49		0036978	93		FT CAMPBELL	WD	TRAIN/REC FAC (no needs to be)
21128	5S		0012492	94		FT CAMPBELL	WD	ELEM SCHOOL (ON EMCS)

Function Key F3 For Selection - Esc To Exit

Station	Type	Fund	Line	Item	Authyr	Install	Emcode	Desc
21128	10		0012148	92		FT CAMPBELL	WD	SIMULATION CTR
21128	10		0015369	95		FT CAMPBELL	WD	EMCS EXPANSION
21128	10		0025158	93		FT CAMPBELL	WD	CONSOL MAIN FAC
21128	10		0186310	95		FT CAMPBELL	WD	AVUM HANGAR-SABER
21128	10		0186360	95		FT CAMPBELL	WD	VEH MNT SHOPS
21128	10		0333450	93		FT CAMPBELL	WD	CAAF IMP
21128	10		0333740	96		FT CAMPBELL	WD	BKS RENEWAL
21128	10		0369000	94		FT CAMPBELL	WD	HANGAR ADDITION
21128	42		0177510	94		FT CAMPBELL	WD	FH W-N REVIT
21128	42		0251780	96		FT CAMPBELL	WD	FH IMPROVE
21128	49		0036977	93		FT CAMPBELL	WD	SYS INT FAC
21128	49		0036978	93		FT CAMPBELL	WD	TRAIN/REC FAC
21128	5S		0012492	94		FT CAMPBELL	WD	ELEM SCHOOL
21128	60		0008670	93		FT CAMPBELL	WD	ARTS & CRAFTS (ON EMCS now)
21128	60		0152090	91		FT CAMPBELL	WD	NCO/ENL CLUB
21128	99		TEST000	94		FT CAMPBELL	WD	TEST

Note:

see the attached  
breakout of  
each of the  
above

0033 Area Office Code	CM	0930 Engr Manager	WD
0200 Prog Year	66	1167 Code 1 Dir	830516 5622 Dsn % Cmp BCFY 95
0205 Design Agent	ORL	1169 Code 2/3 Dir	870701 1280 Dsn % Sch 0
0280 Contr Agent	ORL	1172 Code 6/7 Dir	840730 1275 Dsn % Act 95
0270 Cat Code	44225	1160 Curr Dir Date	0 5623 Dsn % cmp ECFY 95
2037 Contr Type	A	1350 Dsn by AE/HL	HL 0675 Constr % Sch 0
2016 PDC No		2160 Scope	060235 0670 Constr % Act 0
1056 Dsn Dlvry Ord	0	2375 Unit Measure	SF

0546	Con Dlrvy Ord	0	
2385	Using Service	20	US ARMY FORCES COMMAND (CONUS)
0159	Appropriation Code	A	CONVENTIONAL
2360	Type Construction	P	PERMANENT
1245	Design Method # 1	S	STNRD DRAWING
1246	Design Method # 2	N	NEW FACIL/ADD
0190	Auth Phase Code	5	DEFERRED FROM PROGRA
0790	CWE Basis Code	C	DETAILED ESTIMATE
2235	Status Code	M	DESIGN DEFERRED
2005	Delay Code	DD	DESIGN DEFERR

Browse Only - B Continue Browse - Q Quit

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0 2215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10000400492
0 2225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
0 2220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code ZR
0 2025 MED SUP WH-PWRS 0605 TACKETT 1740 02 RYAN
0 0035 Area Office Code CM 0930 Engr Manager WD
0 1247 Energy Von Comp 1248 Energy Calc Total

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1249	Energy Heat Fuel	1250	Energy Cool Sys
0062	Energy Use DSN 0	0061	Energy Use Bldg 0
1055	AE Contr No		
0565	Vendor Name		
0570	Vendor No		
2175	Small Bus Cd		
0545	Constr Contr No		
0565	Vendor Name		
0570	Vendor No		
2175	Small Bus Cd		

Browse Only - B Continue Browse - Q Quit

0215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10000820092  
0225 FT CAMPBELL 2230 State KY Date of Update 95.03.27  
0220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code KR  
0225 MOD 3 DIN FAC 0605 TACKETT 1740 03 ROGAN  
0035 Area Office Code CM 0930 Engr Manager WD

02020 Prog Year 94 1167 Code 1 Dir 900402 5622 Dsn % Cmp BCFY 35  
0925 Design Agent ORL 1169 Code 2/3 Dir 910802 1280 Dsn % Sch 100  
0280 Contr Agent ORL 1172 Code 6/7 Dir 930114 1275 Dsn % Act 100  
0270 Cat Code 72210 1160 Curr Dir Date 940615 5623 Dsn % cmp ECFY 100  
02037 Contr Type A 1350 Dsn by AE/HL AE 0675 Constr % Sch 100  
02016 PDC No 2160 Scope 000001 0670 Constr % Act 0  
1056 Dsn Dlvry Ord 0 2375 Unit Measure LS  
0546 Con Dlvry Ord 0  
2385 Using Service 20 US ARMY FORCES COMMAND (CONUS)  
0159 Appropriation Code A CONVENTIONAL  
2360 Type Construction P PERMANENT  
1245 Design Method # 1 O ORIGINAL DSGN  
1246 Design Method # 2 N NEW FACIL/ADD  
0190 Auth Phase Code 9 CONSTR CONTR AWD AUT  
0790 CWE Basis Code E UNDER CONSTRUCTION  
2235 Status Code V CONSTRUCTION BE  
2005 Delay Code CL CHANGE PENDIN

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0215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10000820092  
0225 FT CAMPBELL 2230 State KY Date of Update 95.03.27  
0220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code KR  
0225 MOD 3 DIN FAC 0605 TACKETT 1740 03 ROGAN  
0035 Area Office Code CM 0930 Engr Manager WD  
1247 Energy Von Comp 1248 Energy Calc Total

1249 Enegry Heat Fuel 1250 Enegry Cool Sys

0062 Energy Use DSN 0 0061 Energy Use Bldg 0

1055 AE Contr No DACA2792C0062  
0565 Vendor Name GODSEY ASSOCIATES  
0570 Vendor No 5217  
2175 Small Bus Cd 2

0545 Constr Contr No DACA2794C0079  
0565 Vendor Name HOWARD W. PENCE, INC  
0570 Vendor No 0918  
2175 Small Bus Cd 1

Browse Only - B Continue Browse - Q Quit

0215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10000820092  
0225 FT CAMPBELL 2230 State KY Date of Update 95.03.27  
0220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code KR  
0225 MOD 3 DIN FAC 0605 TACKETT 1740 03 ROGAN  
0035 Area Office Code CM 0930 Engr Manager WD  
1247 Energy Von Comp 1248 Energy Calc Total

1249 Enegry Heat Fuel 1250 Enegry Cool Sys

0062 Energy Use DSN 0 0061 Energy Use Bldg 0









Office Code	CM	0930 Engr Manager	WD
2020 Prog Year	66	1167 Code 1 Dir	0
0925 Design Agent	ORL	1169 Code 2/3 Dir	880229
0280 Contr Agent	ORL	1172 Code 6/7 Dir	0
0270 Cat Code	80000	1160 Curr Dir Date	900202
2037 Contr Type	A	1350 Dsn by AE/HL	HL
2016 PDC No		2160 Scope	000001
1056 Dsn Dlvry Ord	0	2375 Unit Measure	LS
0546 Con Dlvry Ord	0		

2385	Using Service	20	US ARMY FORCES COMMAND (CONUS)
0159	Appropriation Code	A	CONVENTIONAL
2360	Type Construction	P	PERMANENT
1245	Design Method # 1	O	ORIGINAL DSGN
1246	Design Method # 2	N	NEW FACIL/ADD
0190	Auth Phase Code	5	DEFERRED FROM PROGR
0790	CWE Basis Code	A	INITIAL PROGRAM ESTIMATE
2235	Status Code	M	DESIGN DEFERRED
2005	Delay Code	DD	DESIGN DEFERR

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[illegible]

1249	EnegrY Heat Fuel	1250	EnegrY Cool Sys
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0062 Energy Use DSN	0	0061 Energy Use Bldg	0
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1055 AE Contr No
0565 Vendor Name
0570 Vendor No
2175 Small Bus Cd

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0545 Constr Contr No
0565 Vendor Name
0570 Vendor No
2175 Small Bus Cd
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Browse Only - B Continue Browse - Q Quit

Area	Office Code	CM	0930	Engr	Manager	WD				
2020	Prog Year	66	1167	Code 1	Dir	871117	5622	Dsn %	Cmp	BCFY 1
0925	Design Agent	ORL	1169	Code 2/3	Dir	880308	1280	Dsn %	Sch	0
0280	Contr Agent	ORL	1172	Code 6/7	Dir	0	1275	Dsn %	Act	1
0270	Cat Code	21430	1160	Curr Dir Date	900202	5623	Dsn %	cmp	ECFY 1	
2037	Contr Type	A	1350	Dsn by AE/HL	HL	0675	Constr %	Sch	0	
2016	PDC No		2160	Scope	106250	0670	Constr %	Act	0	
1056	Dsn Dlvry Ord	0	2375	Unit Measure	SF					
0546	Con Dlvry Ord	0								
2385	Using Service		20	US ARMY FORCES	COMMAND (CONUS)					
0159	Appropriation Code	A		CONVENTIONAL						
2360	Type Construction	P		PERMANENT						
1245	Design Method # 1	O		ORIGINAL DSGN						
1246	Design Method # 2	N		NEW FACIL/ADD						
0190	Auth Phase Code	5		DEFERRED FROM PROGRA						
0790	CWE Basis Code	A		INITIAL PROGRAM ESTIMATE						
2235	Status Code	M		DESIGN DEFERRED						
2005	Delay Code	DD		DESIGN DEFERR						

[illegible]

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Area	Office Code	CM	0930	Engr Manager	WD
2020	Prog Year	98	1167	Code 1 Dir	940301 5622 Dsn % Cmp BCFY 0
0925	Design Agent	ORL	1169	Code 2/3 Dir	931110 1280 Dsn % Sch 2
0280	Contr Agent	ORL	1172	Code 6/7 Dir	0 1275 Dsn % Act 2
0270	Cat Code	72111	1160	Curr Dir Date	0 5623 Dsn % cmp ECFY 3
2037	Contr Type	A	1350	Dsn by AE/HL	AE 0675 Constr % Sch 0
2016	PDC No		2160	Scope	000001 0670 Constr % Act 0
1056	Dsn Dlvry Ord	0	2375	Unit Measure	LS
0546	Con Dlvry Ord	0			

[illegible]

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Area	Office Code	CM	0930	Engr Manager	WD				
0200	Prog Year	94	1167	Code 1 Dir	0	5622	Dsn %	Cmp	BCFY 100
0925	Design Agent	ORL	1169	Code 2/3 Dir	920319	1280	Dsn %	Sch	100
0280	Contr Agent	ORL	1172	Code 6/7 Dir	931115	1275	Dsn %	Act	100
0270	Cat Code	71114	1160	Curr Dir Date	930330	5623	Dsn %	cmp	ECFY 100
2037	Contr Type	A	1350	Dsn by AE/HL	DC	0675	Constr %	Sch	6
2016	PDC No		2160	Scope	000202	0670	Constr %	Act	0
1056	Dsn Dlvry Ord	0	2375	Unit Measure	FA				

0546	Con Dlvry Ord	0	
2385	Using Service	20	US ARMY FORCES COMMAND (CONUS)
0159	Appropriation Code	A	CONVENTIONAL
2360	Type Construction	P	PERMANENT
1245	Design Method # 1	O	ORIGINAL DSGN
1246	Design Method # 2	M	MODERNIZATION
0190	Auth Phase Code	9	CONSTR CONTR AWD AUT
0790	CWE Basis Code	E	UNDER CONSTRUCTION
2235	Status Code	T	CONTRACT AWARDE
2005	Delay Code	D0	NO CURRENT PR

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0aaaaaa Station Code 21128      2370 Type Funds 42    2040 Proj Key 21128 42017751094
02225 FT CAMPBELL                2230 State KY                      Date of Update 95.03.27
02220 FORT CAMPBELL KY           0610 Budget Analyst LT        1735 PM Code RL
02025 FH W-N REVIT               0605 TACKETT                    1740 04 LOTZ
00035 Area Office Code CM       0930 Engr Manager WD

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1247 Energy Von Comp	1248 Energy Calc Total
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1249 Enegry Heat Fuel                      1250 Enegry Cool Sys

0062 Energy Use DSN	0	0061 Energy Use Bldg	0
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1055 AE Contr No   DACA2793C0076  
0565 Vendor Name   GREENHORNE & O'MARA INC  
0570 Vendor No     5292  
2175 Small Bus Cd

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0545 Constr Contr No DACA2794C0119
0565 Vendor Name ALL GULF CONTRACTORS
0570 Vendor No      3309
2175 Small Bus Cd

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Area	Office Code	CM	0930	Engr Manager	WD				
0200	Prog Year	93	1167	Code 1 Dir	910612	5622	Dsn % Cmp	BCFY	35
0925	Design Agent	ORL	1169	Code 2/3 Dir	0	1280	Dsn % Sch		0
0280	Contr Agent	ORL	1172	Code 6/7 Dir	0	1275	Dsn % Act		35
0270	Cat Code	14190	1160	Curr Dir Date	920818	5623	Dsn % cmp	ECFY	35
2037	Contr Type	A	1350	Dsn by AE/HL	AE	0675	Constr % Sch		0
2016	PDC No		2160	Scope	012100	0670	Constr % Act		0
1056	Dsn Dlvry Ord	600	2375	Unit Measure	SF				
0546	Con Dlvry Ord	6							

2385	Using Service	S5	U.S. ARMY SPECIAL OPERATIONS COMMAND
0159	Appropriation Code	A	CONVENTIONAL
2360	Type Construction	P	PERMANENT
1245	Design Method # 1	O	ORIGINAL DSGN
1246	Design Method # 2	N	NEW FACIL/ADD
0190	Auth Phase Code	4	DSN HELD IN ABEYANCE
0790	CWE Basis Code	B	CONCEPTS OR UNIT COST
2235	Status Code	M	DESIGN DEFERRED
2005	Delay Code	DD	DESIGN DEFERR

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0aaaaaa
0 2215 Station Code 21128 2370 Type Funds 49 2040 Proj Key 21128 49003697793
0 2225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
0 2220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code CW
0 2025 SYS INT FAC 0605 TACKETT 1740 13 WORLEY
0 0035 Area Office Code CM 0930 Engr Manager WD
0 aaaaaaa
0 1247 Energy Von Comp 1248 Energy Calc Total M
0 TRACE (MAINFRAME)
0 1249 Energy Heat Fuel 1250 Energy Cool Sys
0 0062 Energy Use DSN 0 0061 Energy Use Bldg 0

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o 1055 AE Contr No   DACA2790D0010
o 0565 Vendor Name   MASON & HANGER
o 0570 Vendor No     2680
o 2175 Small Bus Cd  0

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0 0545 Constr Contr No
0 0565 Vendor Name
0 0570 Vendor No
0 2175 Small Bus Cd

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[illegible]

o 2385	Using Service	S5	U.S. ARMY SPECIAL OPERATIONS COMMAND
o 0159	Appropriation Code	A	CONVENTIONAL
o 2360	Type Construction	P	PERMANENT
o 1245	Design Method # 1	O	ORIGINAL DSGN
o 1246	Design Method # 2	N	NEW FACIL/ADD
o 0190	Auth Phase Code	4	DSN HELD IN ABEYANCE
o 0790	CWE Basis Code	A	INITIAL PROGRAM ESTIMATE
o 2235	Status Code	M	DESIGN DEFERRED
o 2005	Delay Code	DD	DESIGN DEFERR

[illegible]

0930 Area Office Code CM 0930 Engr Manager WD  
 aaaaaaaaaaaaaaa

0062 Energy Use DSN	0	0061 Energy Use Bldg	0
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0545 Constr Contr No
0565 Vendor Name
0570 Vendor No
2175 Small Bus Cd

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Browse Only - B Continue Browse - Q Quit



Office Code	CM	0930 Engr Manager	WD						
2020	Prog Year	94	1167	Code 1 Dir	0	5622	Dsn %	Cmp	BCFY 100
0925	Design Agent	ORL	1169	Code 2/3 Dir	920421	1280	Dsn %	Sch	100
0280	Contr Agent	ORL	1172	Code 6/7 Dir	921204	1275	Dsn %	Act	100
0270	Cat Code		1160	Curr Dir Date	0	5623	Dsn %	cmp	ECFY 100
2037	Contr Type	A	1350	Dsn by AE/HL	AE	0675	Constr %	Sch	16
2016	PDC No		2160	Scope	080000	0670	Constr %	Act	10
1056	Dsn Dlvry Ord	0	2375	Unit Measure	SF				
0546	Con Dlvry Ord	0							
2385	Using Service		27	DOD DEPENDENT SCHOOLS					
0159	Appropriation Code	A		CONVENTIONAL					
2360	Type Construction	P		PERMANENT					
1245	Design Method # 1	O		ORIGINAL DSGN					
1246	Design Method # 2	N		NEW FACIL/ADD					
0190	Auth Phase Code	9		CONSTR CONTR AWD AUT					
0790	CWE Basis Code	E		UNDER CONSTRUCTION					
2235	Status Code	V		CONSTRUCTION BE					
2005	Delay Code	C8		INCLEMENT WEA					

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1247 Energy Von Comp 1248 Energy Calc Total

1249	Enegry Heat Fuel	1250	Enegry Cool Sys
0062	Energy Use DSN 0	0061	Energy Use Bldg 0

```

0 1055 AE Contr No   DACA2789D0012
0 0565 Vendor Name   GODSEY ASSOCIATES
0 0570 Vendor No     5217
0 2175 Small Bus Cd  2

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0 0545 Constr Contr No DACA2794C0133
0 0565 Vendor Name ACS CONSTRUCTION
0 0570 Vendor No 0140
0 2175 Small Bus Cd 1

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UTILITY INFORMATION  
& BILLING

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# SALES RATE SUMMARY

	GOVERNMENT	CONTRACTOR
ELECTRIC (\$/KWH)	\$0.0532	\$0.0603
NATURAL GAS (\$THERM)	\$0.4354	\$0.4604
WATER (\$K/GAL)	\$0.3773	\$0.8795
SEWAGE (\$/KGAL)	\$0.4140	\$0.8143
REFUSE (CU/YD)	\$2.3331	\$2.4031
STEAM (\$/KLB)	\$7.5473	\$7.9479
FUEL OIL #2 (\$/GAL)	\$0.6600	\$0.7861
LP GAS (\$/GAL)	\$0.5120	\$0.5274

## FAMILY HOUSING RATES

ELECTRIC (\$/KWH)	\$0.0496
GAS (\$THERM)	\$0.3803
WATER (\$K/GAL)	\$0.3231
SEWAGE (\$/KGAL)	\$0.3812

2. AMENDMENT/MODIFICATION NO. P00006	3. EFFECTIVE DATE 93 May 01	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY Contract Administration, DOC Bldg. 2176, 13A & Indiana Fort Campbell, KY 42223-1293 Celeste Bell (502) 798-7833	CODE KF23	7. ADMINISTERED BY (If other than Item 6)	CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  TVA 1101 Market Street 5S 40D Signal Place Chattanooga, TN 37042-2801	(7) 9A. AMENDMENT OF SOLICITATION NO.  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. X DAKF23-87-C-0103 10B. DATED (SEE ITEM 13) 87 Jun. 10
CODE	FACILITY CODE

### 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

### 12. ACCOUNTING AND APPROPRIATION DATA (If required)

APC DLAB - No Change

### 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(1) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. Paragraph 4, "Rates"
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

### 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See Attached

APPROVED:

Leslie H. Carroll  
LESLIE H. CARROLL  
Director of Contracting  
Fort Campbell, Kentucky

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROY F. MURRAY
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
15D. UNITED STATES OF AMERICA BY <u>[Signature]</u> (Signature of Contracting Officer)	16C. DATE SIGNED 93 Jun 16



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

April 12, 1993

RECEIVED BY DOC

'93 APR 15 12:26

Contract Administration  
Attn: Celeste Bell  
Building 2176  
13A and Indiana  
Ft. Campbell, Kentucky 42223

Dear Celeste:

On March 10, 1993, the TVA Board determined to bring the hydro credits being allocated to the residential consumers into better alignment with the value of the generation from TVA's hydro system. Implementing this determination will result in a decrease in revenues from firm general power consumers of about 1.6 percent.

Corresponding decreases in the base demand and energy charges have been incorporated into the enclosed direct service power rate schedule, dated May 1993. This is notification that the enclosed rate schedule replaces the direct service power rate schedule, dated May 1992, that is a part of your power contract with TVA. The replacement rate schedule will apply to bills based on meter readings taken on or after May 10, 1993.

Please feel free to contact me if you have any questions concerning the new rate schedule.

Very truly yours,

Bruce A. Macphee  
Industrial Representative

Enclosure

DAKF23-87-C-0103  
Modification P00006  
Page 3 of 5 Pages

TENNESSEE VALLEY AUTHORITY  
DIRECT SERVICE POWER RATE--SCHEDULE DSD  
May 1993  
(Supersedes: May 1992)

Availability

This rate shall apply to the firm electric power requirements of a customer that takes service directly from TVA and that has a contract demand of greater than 25,000 kW.

Base Charges

Customer Charge: \$1,500 per delivery point per month

Demand Charge: \$11.78 per kW of billing demand per month, plus an additional  
\$11.78 per kW per month for each kW, if any, of the amount by  
which the customer's billing demand exceeds its contract demand

Energy Charge: 2.114¢ per kWh per month

Adjustment

The base demand and energy charges shall be increased or decreased in accordance with the current Adjustment Addendum published by TVA. (In addition, such charges shall be increased or decreased to correspond to increases or decreases determined by TVA in the value of the hydro-generation benefit allocated to residential consumers.) Facilities rental charges and reactive demand charges may also be increased or decreased by TVA, effective with the effective date of any such Adjustment Addendum, to reflect changes in the cost of providing for delivery at voltage levels below 161 kV and of providing reactive power, respectively.

Facilities Rental Charge

There shall be no facilities rental charge under this rate schedule for delivery at bulk transmission voltage levels of 161 kV or higher. For delivery at less than 161 kV, there shall be added to the customer's bill a facilities rental charge. This charge shall be 36¢ per kW per month except for delivery at voltages below 46 kV, in which case the charge shall be 93¢ per kW per month for the first 10,000 kW and 73¢ per kW per month for the excess over 10,000 kW. Such charge shall be applied to the higher of (1) the highest billing demand established during the latest 12-consecutive-month period and (2) the customer's currently effective contract demand and shall be in addition to all other charges under this rate schedule, including minimum bill charges.

### Reactive Demand Charges

If the reactive demand (in kVAR) is lagging during the 30-consecutive-minute period beginning or ending on a clock hour of the month in which the customer's highest metered demand occurs, there shall be added to the customer's bill a reactive charge of 78¢ per kVAR of the amount, if any, by which the reactive demand exceeds 33 percent of such metered demand. If the reactive demand (in kVAR) is leading during the 30-consecutive-minute period beginning or ending on a clock hour of the month in which the customer's lowest metered demand (excluding any metered demands which are less than 25 percent of the highest metered demand) occurs, there shall be added to the customer's bill a reactive charge of 33¢ per kVAR of the amount of reactive demand. Such charges shall be in addition to all other charges under this rate schedule, including minimum bill charges.

### Determination of Demand

The metered demand for any month shall be the highest average during any 30-consecutive-minute period beginning or ending on a clock hour of the month of the load metered in kW, and such amount shall be used as the billing demand, except that the billing demand for any month shall in no case be less than the sum of (1) 30 percent of the first 5,000 kW, (2) 40 percent of the next 20,000 kW, (3) 50 percent of the next 25,000 kW, (4) 60 percent of the next 50,000 kW, (5) 70 percent of the next 100,000 kW, (6) 80 percent of the next 150,000 kW, and (7) 85 percent of all kW in excess of 350,000 kW of the higher of the currently effective contract demand and the highest billing demand established during the preceding 12 months.

### Minimum Bill

The monthly bill under this rate schedule, excluding any facilities rental charges and any reactive charges, shall not be less than the sum of (1) the base customer charge, (2) the base demand charge, as adjusted (but excluding the additional portion thereof applicable to excess of billing demand over contract demand) applied to the customer's billing demand, and (3) the base energy charge, as adjusted, applied to the customer's energy takings.

### Single-Point Delivery

The charges under this rate schedule are based upon the supply of service through a single delivery and metering point, and at a single voltage. If service is supplied to the same customer through more than one point of delivery or at different voltages, the supply of service at each delivery and metering point and at each different voltage shall be separately metered and billed.

DAKF23-87-C-0103  
Modification P00006  
Page 2 of 3 Pages

REQUIREMENT: Provide Utility Services to Fort Campbell, Kentucky

A. The purpose of this modification is to revise rates under the provisions of paragraph 4, "Rates", Direct Service Power Rate--Schedule DSD dated 12 Apr 93, to be effective 1 May 93. Contractor's letter and schedule are hereby incorporated as pages 3, 4 and 5 of 5 pages of this modification. Schedule dated 1 Apr 92 incorporated under modification P00004 is hereby deleted.

B. Approval: This modification is subject to the written approval of the Installation Commander, Fort Campbell, Kentucky or his duly authorized representative and shall not be binding until so approved.

C. No other changes.



## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 11-May-94  
Invoice No.: E94-5-164  
Service To: 2400  
Due Date: 10-May-94  
Last Date For Payment: 21-May-94  
Interest Rate: 31-May-94  
3.813%

Energy	kWh	Charges
See page 2	Total kWh 16,476,600	Total Energy Charges \$348,315.32
Demand	Maximum kW	
See page 2 Time of Demand: 1530 04/28	Total kW 35,721	Total Demand Charges 420,793.38
Customer Charge		1,500.00
Reactive Power Charges - See page 4		1,036.62
		\$771,645.32
Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD		\$790,365.32

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - MAY 94

Page 2

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
4,925.30	4,533.00	42,000	16,476,600	Firm 16,476,600	\$0.02114	\$348,315.32
Total Energy			16,476,600			

Total Energy Charges \$348,315.32

	Minutes	Hours
Total in Month:	43,200	720.0000
(c) Firm:	43,200	720.0000

Demand	kW		Rate	
1530 04/28	35,721	Firm		
		35,721	\$11.78	\$420,793.38
Total Demand	35,721	Excess	0	11.78
				0.00
Total Demand Charges				<u>\$420,793.38</u>

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 35,721 Maximum kW  
Excess 35,721 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 3

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - MAY 94

## Ratchet Demand Provision:

Normal Contract 52,000 kW  
plus high excess in prev. 12 mos. 0 kW MAY 93

Total Basis 52,000 kW

## Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand 23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - MAY 94

Page 4

## Reactive power charges:

Lagging reactive power at peak demand: 13,117 kVAR

35,721 kW x .33 = 11,788

Excess lagging reactive charges:

( 13,117 - 11,788 ) x \$0.78 = \$1,036.62

## Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

35,721 kW x .25 = 8,930

Min. load measured (excluding readings below 8,930 ) = 0 @

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$1,036.62

## POWER INVOICE

TVA 230H (F-CNTR-10-9

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 11-Jan-94  
Invoice No.: E94-1-164  
Service To: 2400  
10-Jan-94  
Due Date: 21-Jan-94  
Last Date For Payment: 31-Jan-94  
Interest Rate: 3.250%

Energy	kWh	Charges
See page 2	Total kWh 18,249,000	Total Energy Charges \$385,783.86

Demand	Maximum kW	Charges
See page 2 Time of Demand: 0830 01/10	Total kW 33,642	Total Demand Charges 396,302.76

Customer Charge	1,500.00
-----------------	----------

0.00

-----  
\$783,586.62

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD	\$802,306.62
-------------------------	--------------

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

## Notes:

All times are CST or CDT, whichever is in effect.

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JAN 94

Page 2

## Meter Readings:

Present	Previous	Constant	kWh	Rate	Charges
3,269.40	2,834.90	42,000	18,249,000	\$0.02114	\$385,783.86

Total Energy 18,249,000

Total Energy Charges \$385,783.86

	Minutes	Hours
Total in Month:	44,640	744.0000
(c) Firm:	44,640	744.0000

Demand	kW	Rate
0830 01/10	33,642	Firm
	33,642	\$11.78
	0	11.78
Total Demand	33,642	0.00
Total Demand Charges		\$396,302.76

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 33,642 Maximum kW  
Excess 33,642 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JAN 94

Page 3

## Ratchet Demand Provision:

Normal Contract

52,000 kW

plus high excess in prev. 12 mos.

0 kW

DEC 92

Total Basis

52,000 kW

## Ratchet Demand

5,000 kW x 0.30 -

1,500 kW

20,000 kW x 0.40 -

8,000 kW

25,000 kW x 0.50 -

12,500 kW

2,000 kW x 0.60 -

1,200 kW

0 kW x 0.70 -

0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) - \$18,720.00

Tennessee Valley Authority

# POWER INVOICE

TVA 230H (F-CNTR-10-91)

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

873-4254  
Billing Date: 14-Feb-94  
Invoice No.: E94-2-164  
Service To: 2400  
Due Date: 10-Feb-94  
Last Date For Payment: 24-Feb-94  
Interest Rate: 06-Mar-94 3.128%

Energy	kWh	Charges
See page 2	Total kWh 20,143,200	Total Energy Charges \$425,827.25

Demand	Maximum kW	Charges
See page 2 Time of Demand: 1130 01/19	Total kW 38,102	Total Demand Charges 448,841.56

Customer Charge	1,500.00
-----------------	----------

\$876,168.81

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD \$894,888.81

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.



## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - FEB 94

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
3,749.00	3,269.40	42,000	20,143,200	Firm 20,143,200	\$0.02114	\$425,827.25
Total Energy			20,143,200			
Total Energy Charges						\$425,827.25

	Minutes	Hours
Total in Month:	44,640	744.0000
(c) Firm:	44,640	744.0000

Demand	kW		Rate	
1130 01/19	38,102	Firm		
		38,102	\$11.78	\$448,841.56
Total Demand	38,102	Excess	0	0.00
Total Demand Charges				\$448,841.56

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 38,102 Maximum kW  
Excess 38,102 Maximum kW  
0 kW

Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ARN DIV (AASLT) & FT CAMPBELL  
Power billing - FEB 94

Page 3

## Ratchet Demand Provision:

Normal Contract

plus high excess in prev. 12 mos.

52,000 kW

0 kW

FEB 93

Total Basis

52,000 kW

## Ratchet Demand

5,000 kW x	0.30	-
20,000 kW x	0.40	-
25,000 kW x	0.50	-
2,000 kW x	0.60	-
0 kW x	0.70	-

1,500 kW
8,000 kW
12,500 kW
1,200 kW
0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) - \$18,720.00

## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

Billing Date: 11-Mar-94

Invoice No.: E94-3-164

Service To: 2400

Due Date: 10-Mar-94

Last Date For Payment: 21-Mar-94

Interest Rate: 31-Mar-94

3.372%

ATTN AFZB-DE-B

HQ 101ST ABN DIV (AASLT) &amp; FT CAMPBELL

DEH BUDGET

FT CAMPBELL KY 42223-1291

Energy	kWh	Charges
See page 2	Total kWh	16,216,200
		Total Energy Charges
		\$342,810.47
Demand	Maximum kW	
See page 2	Total kW	34,398
Time of Demand: 1300 03/09		Total Demand Charges
		405,208.44
Customer Charge		1,500.00

\$749,518.91

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD &gt; \$768,238.91

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

## Notes:

All times are CST or CDT, whichever is in effect.

✓ 6/10

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 2

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - MAR 94

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
4,135.10	3,749.00	42,000	16,216,200	Firm 16,216,200	\$0.02114	\$342,810.47
Total Energy			<u>16,216,200</u>	Total Energy Charges		
						<u>\$342,810.47</u>

	Minutes	Hours
Total in Month:	40,320	672.0000
(c) Firm:	40,320	672.0000

Demand	kW		Rate	
1300 03/09	34,398	Firm		
		34,398	\$11.78	\$405,208.44
Total Demand	<u>34,398</u>	Excess	0	11.78
				0.00
Total Demand Charges				<u>\$405,208.44</u>

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 34,398 Maximum kW  
Excess 34,398 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - MAR 94

Page 3

## Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	MAR 93

Total Basis	<u>52,000 kW</u>
-------------	------------------

## Ratchet Demand

5,000 kW x	0.30	-	1,500 kW
20,000 kW x	0.40	-	8,000 kW
25,000 kW x	0.50	-	12,500 kW
2,000 kW x	0.60	-	1,200 kW
0 kW x	0.70	-	0 kW

Total Ratchet Demand	<u>23,200 kW</u>
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Facilities rental 52,000 kW (Contract Demand)

(	52,000 kW x	\$0.36	) -	<u>\$18,720.00</u>
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Tennessee Valley Authority

Rec 4/14/94

# POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 11-Apr-94  
Invoice No.: E94-4-164  
Service To: 2400  
Due Date: 10-Apr-94  
Last Date For Payment: 21-Apr-94  
Interest Rate: 01-May-94  
3.612%

Energy	kWh	Charges
--------	-----	---------

See page 2	Total kWh	16,711,800	Total Energy Charges	\$353,287.45
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Demand	Maximum kW			
See page 2	Total kW	31,941	Total Demand Charges	376,264.98
Time of Demand: 0830 04/07				

Customer Charge	1,500.00
-----------------	----------

-----  
\$731,052.43

Facilities Rental - See page 3	18,720.00
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TOTAL CHARGE FOR PERIOD	\$749,772.43
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Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are GST or CDT, whichever is in effect.

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## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - APR 94

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
4,533.00	4,135.10	42,000	16,711,800	Firm 16,711,800	\$0.02114	\$353,287.45

Total Energy 16,711,800

Total Energy Charges \$353,287.45

	Minutes	Hours
Total in Month:	44,580	743.0000
(c) Firm:	44,580	743.0000

Demand	kW		Rate	
0830 04/07	31,941	Firm		
		31,941	\$11.78	\$376,264.98
		Excess		
Total Demand	<u>31,941</u>	0	11.78	0.00
		Total Demand Charges		<u>\$376,264.98</u>

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 31,941 Maximum kW  
Excess 31,941 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - APR 94

Page 3

## Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	APR 93

Total Basis	<u>52,000 kW</u>
-------------	------------------

## Ratchet Demand

5,000 kW x	0.30	-	1,500 kW
20,000 kW x	0.40	-	8,000 kW
25,000 kW x	0.50	-	12,500 kW
2,000 kW x	0.60	-	1,200 kW
0 kW x	0.70	-	0 kW

Total Ratchet Demand	<u>23,200 kW</u>
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Facilities rental	52,000 kW (Contract Demand)
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( 52,000 kW x \$0.36 ) =	<u>\$18,720.00</u>
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## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

873-4254  
Billing Date: 13-Jun-94  
Invoice No.: E94-6-164  
Service To: 2400  
10-Jun-94  
Due Date: 23-Jun-94  
Last Date For Payment: 03-Jul-94  
Interest Rate: 4.285%

Energy	kWh	Charges
See page 2	Total kWh 19,664,400 =====	Total Energy Charges \$415,705.42
Demand	Maximum kW	
See page 2	Total kW 42,109 =====	Total Demand Charges 496,044.02
Time of Demand: 1430 06/06		
Customer Charge		1,500.00
Reactive Power Charges - See page 4		3,166.02
		----- \$916,415.46

Facilities Rental - See page 3 18,720.00

TOTAL CHARGE FOR PERIOD =====> \$935,135.46  
=====

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.

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## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 2

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUN 94

## Meter Readings:

Present	Previous	Constant	kWh	Rate	Charges
---------	----------	----------	-----	------	---------

5,393.50	4,925.30	42,000	19,664,400	Firm 19,664,400	\$0.02114 \$415,705.42
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Total Energy 19,664,400  
=====

Total Energy Charges \$415,705.42  
=====

	Minutes	Hours
Total in Month:	44,640	744.0000
(c) Firm:	44,640	744.0000

Demand	kW	Rate
1430 06/06	42,109	Firm
	42,109	\$11.78
		\$496,044.02
		Excess
Total Demand	42,109	0
		11.78
		0.00
		=====
		Total Demand Charges
		\$496,044.02
		=====

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands: 42,109 Maximum kW  
Firm 42,109 Maximum kW  
Excess 0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUN 94

Page 3

## Ratchet Demand Provision:

Normal Contract 52,000 kW  
plus high excess in prev. 12 mos. 0 kW JUN 93

Total Basis 52,000 kW  
=====

## Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand 23,200 kW  
=====

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00  
=====

# POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUN 94

Page 4

## Reactive power charges:

Lagging reactive power at peak demand: 17,955 kVAR

42,109 kW x .33 = 13,896

Excess lagging reactive charges:

( 17,955 - 13,896 ) x \$0.78 = \$3,166.02

## Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

42,109 kW x .25 = 10,527

Min. load measured (excluding readings below 10,527 ) =

0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$3,166.02

=====

## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN APZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 11-Jul-94  
Invoice No.: E94-7-164  
Service To: 2400  
Due Date: 10-Jul-94  
Last Date For Payment: 21-Jul-94  
Interest Rate: 31-Jul-94  
4.318%

Energy	kWh	Charges
See page 2	Total kWh 23,629,200	Total Energy Charges \$499,521.29
*****		
Demand	Maximum kW	
See page 2	Total kW 47,439	Total Demand Charges 558,831.42
Time of Demand: 1530 06/21 *****		
Customer Charge		1,500.00
Reactive Power Charges - See page 4		6,334.38
		----- \$1,066,187.09
Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD *****		\$1,084,907.09
		-----

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

## Notes:

All times are CST or CDT, whichever is in effect.

Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 2

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUL 94

Meter Readings:					Rate	Charges
Present	Previous	Constant	kWh			
5,956.10	5,393.50	42,000	23,629,200	Firm 23,629,200	\$0.02114	\$499,521.29
Total Energy			23,629,200			
Total Energy Charges						\$499,521.29

	Minutes	Hours
Total in Month:	43,200	720.0000
(c) Firm:	43,200	720.0000

Demand	kW		Rate	
1530 06/21	47,439	Firm		
		47,439	\$11.78	\$558,831.42
		Excess		
Total Demand	47,439	0	11.78	0.00
Total Demand Charges				\$558,831.42

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 47,439 Maximum kW  
Excess 0 kW

Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 3

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUL 94

## Ratchet Demand Provision:

Normal Contract 52,000 kW  
plus high excess in prev. 12 mos. 0 kW JUL 93

Total Basis

52,000 kW

## Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00  
\*\*\*\*\*

Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-9

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - JUL 94

Page 4

## Reactive power charges:

Lagging reactive power at peak demand: 23,776 kVAR

47,439 kW  $\times$  .33 = 15,655

Excess lagging reactive charges:

( 23,776 - 15,655 )  $\times$  \$0.78 = \$6,334.38

## Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

47,439 kW  $\times$  .25 = 11,860

Min. load measured (excluding readings below 11,860 ) =

0 @ 0

Leading reactive charges: 0 kVAR  $\times$  \$0.33 =

\$0.00

Total Reactive Power Charges

\$6,334.38



## Tennessee Valley Authority

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL, KY 42223-1291

Billing Date: 11-Aug-94  
Invoice No.: E94-8-164  
Service To: 2400  
10-Aug-94  
Due Date: 21-Aug-94  
Last Date For Payment: 31-Aug-94  
Interest Rate: 4.470%

Energy	kWh		Charges
See page 2	Total kWh	24,607,800	Total Energy Charges
		=====	\$520,208.89
Demand	Maximum kW		
See page 2	Total kW	47,477	Total Demand Charges
Time of Demand: 1530 07/20		=====	559,279.06
Customer Charge			1,500.00
Reactive Power Charges - See page 4			6,354.66
			-----
			\$1,087,342.61

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD =====&gt; \$1,106,062.61

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - AUG 94

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
6,542.00	5,956.10	42,000	24,607,800	Firm 24,607,800	\$0.02114	\$520,208.89
Total Energy			24,607,800			
Total Energy Charges						\$520,208.89
Total in Month:		44,640	744.0000			
(c) Firm:		44,640	744.0000			

Demand	kW		Rate	
1530 07/20	47,477	Firm		
		47,477	\$11.78	\$559,279.06
Total Demand	47,477	Excess	0	0.00
Total Demand Charges				\$559,279.06

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 47,477 Maximum kW  
Excess 0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 3

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - AUG 94

## Ratchet Demand Provision:

Normal Contract 52,000 kW  
plus high excess in prev. 12 mos. 0 kW AUG 93

Total Basis 52,000 kW  
=====

## Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand 23,200 kW  
=====

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00  
=====

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - AUG 94

Page 4

## Reactive power charges:

Lagging reactive power at peak demand: 23,814 kVAR

47,477 kW x .33 = 15,667

Excess lagging reactive charges:

( 23,814 - 15,667 ) x \$0.78 = \$6,354.66

## Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

47,477 kW x .25 = 11,869

Min. load measured (excluding readings below 11,869 ) = 0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$6,354.66

=====

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 12-Sep-94  
Invoice No.: E94-9-164  
Service To: 2400  
Due Date: 10-Sep-94  
Last Date For Payment: 22-Sep-94  
Interest Rate: 02-Oct-94  
4.705%

Energy	kWh	Charges
See page 2	Total kWh	23,322,600
		<u>23,322,600</u>
	Total Energy Charges	\$493,039.76
Demand	Maximum kW	
See page 2	Total kW	46,229
Time of Demand: 1500 08/12		<u>46,229</u>
	Total Demand Charges	544,577.62
Customer Charge		1,500.00
Reactive Power Charges - See page 4		6,203.34
		<u>6,203.34</u>
		\$1,045,320.72
Facilities Rental - See page 3		18,720.00
	TOTAL CHARGE FOR PERIOD	<u>\$1,064,040.72</u>

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

## Notes:

All times are CST or CDT, whichever is in effect.

AP  
JRC

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - SEP 94

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
7,097.30	6,542.00	42,000	23,322,600	Firm 23,322,600	\$0.02114	\$493,039.76
Total Energy			<u>23,322,600</u>			
Total Energy Charges						<u>\$493,039.76</u>
			Minutes	Hours		
Total in Month:			44,640	744.0000		
(c) Firm:			44,640	744.0000		

Demand	kW		Rate	
1500 08/12	46,229	Firm		
		46,229	\$11.78	\$544,577.62
Total Demand	<u>46,229</u>	Excess	0	11.78
				0.00
Total Demand Charges				<u>\$544,577.62</u>

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 46,229 Maximum kW  
Excess 46,229 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 12-Oct-93  
Invoice No.: E94-10-164  
Service To: 2400  
10-Oct-93  
Due Date: 22-Oct-93  
Last Date For Payment: 01-Nov-93  
Interest Rate: 3.140%

Energy	kWh	Charges
See page 2	Total kWh 17,488,800 =====	Total Energy Charges \$369,713.23
Demand	Maximum kW	
See page 2 Time of Demand: 1530 09/14	Total kW 43,281 =====	Total Demand Charges 509,850.18
Customer Charge		1,500.00
Reactive Power Charges - See page 4		2,510.04
		----- \$883,573.45
Facilities Rental - See page 3		18,720.00
	TOTAL CHARGE FOR PERIOD =====>	\$902,293.45 =====

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.

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## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - OCT 93

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
<hr/>						
2,042.00	1,625.60	42,000	17,488,800	Firm 17,488,800	\$0.02114	\$369,713.23
Total Energy			----- 17,488,800 =====			
Total Energy Charges						----- \$369,713.23 =====
		Minutes	Hours			
		-----	-----			
Total in Month:		43,200	720.0000			
(c) Firm:		43,200	720.0000			

Demand	kW		Rate	
1530 09/14	43,281	Firm		
		43,281	\$11.78	\$509,850.18
		Excess		
Total Demand	43,281	0	11.78	0.00
Total Demand Charges				\$509,850.18

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 43,281 Maximum kW  
Excess 0 kW



## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - OCT 93

Page 3

## Ratchet Demand Provision:

Normal Contract 52,000 kW  
plus high excess in prev. 12 mos. 0 kW SEP 92

Total Basis 52,000 kW  
=====

## Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand 23,200 kW  
=====

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00  
=====

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - OCT 93

Page 4

## Reactive power charges:

Lagging reactive power at peak demand: 17,501 kVAR

43,281 kW x .33 = 14,283

Excess lagging reactive charges:

( 17,501 - 14,283 ) x \$0.78 = \$2,510.04

## Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

43,281 kW x .25 = 10,820

Min. load measured (excluding readings below 10,820 ) = 0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$2,510.04

=====

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 12-Nov-93  
Invoice No.: E94-11-164  
Service To: 2400  
Due Date: 10-Nov-93  
Last Date For Payment: 22-Nov-93  
Interest Rate: 02-Dec-93  
3.138%

Energy		kWh	Charges	
See page 2	Total kWh	16,833,600	Total Energy Charges	\$355,862.30
		=====		
Demand		Maximum kW		
See page 2	Total kW	31,412	Total Demand Charges	370,033.36
Time of Demand: 0830 11/08		=====		
Customer Charge				1,500.00
				0.00
				-----
				\$727,395.66
Facilities Rental - See page 3				
				18,720.00
TOTAL CHARGE FOR PERIOD				----->
				\$746,115.66
				=====

Make remittance to:  
TENNESSEE VALLEY AUTHORITY  
PO BOX 1000  
DEPARTMENT 87  
MEMPHIS TN 38148-0087

Notes:  
All times are CST or CDT, whichever is in effect.

*KLX*

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) &amp; FT CAMPBELL

Page 2

Power billing - NOV 93

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
2,442.80	2,042.00	42,000	16,833,600	Firm 16,833,600	\$0.02114	\$355,862.30
Total Energy			16,833,600			
Total Energy Charges						\$355,862.30
			Minutes	Hours		
Total in Month:			44,640	744.0000		
(c) Firm:			44,640	744.0000		

Demand	kW		Rate	
0830 11/08	31,412	Firm		
		31,412	\$11.78	\$370,033.36
Total Demand	31,412	Excess	0	0.00
Total Demand Charges				\$370,033.36

Contract Demand 52,000 kW  
 Ratchet Demand 23,200 kW

Recommended Billing Demands:  
 Firm 31,412 Maximum kW  
 Excess 0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - NOV 93

Page 3

## Ratchet Demand Provision:

Normal Contract

52,000 kW

plus high excess in prev. 12 mos.

0 kW

OCT 92

Total Basis

52,000 kW

## Ratchet Demand

5,000 kW x 0.30 =

1,500 kW

20,000 kW x 0.40 =

8,000 kW

25,000 kW x 0.50 =

12,500 kW

2,000 kW x 0.60 =

1,200 kW

0 kW x 0.70 =

0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B  
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
DEH BUDGET  
FT CAMPBELL KY 42223-1291

Billing Date: 13-Dec-93  
Invoice No.: E94-12-164  
Service To: 2400  
Due Date: 10-Dec-93  
Last Date For Payment: 23-Dec-93  
Interest Rate: 02-Jan-94  
3.216%

Energy	kWh	Charges
See page 2	Total kWh 16,468,200	Total Energy Charges \$348,137.75
Demand	Maximum kW	
See page 2	Total kW 32,168	Total Demand Charges 378,939.04
Time of Demand: 0830 12/07		
Customer Charge		1,500.00
		0.00
		\$728,576.79

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD -----&gt; \$747,296.79

Make remittance to:

TENNESSEE VALLEY AUTHORITY

PO BOX 1000

DEPARTMENT 87

MEMPHIS TN 38148-0087

Notes:

All times are CST or CDT, whichever is in effect.

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## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - DEC 93

Page 2

## Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
2,834.90	2,442.80	42,000	16,468,200	Firm 16,468,200	\$0.02114	\$348,137.75

Total Energy 16,468,200

Total Energy Charges \$348,137.75

	Minutes	Hours
Total in Month:	43,200	720.0000
(c) Firm:	43,200	720.0000

Demand	kW		Rate	
0830 12/07	32,168	Firm		
		32,168	\$11.78	\$378,939.04
		Excess		
Total Demand	32,168	0	11.78	0.00
		Total Demand Charges		\$378,939.04

Contract Demand 52,000 kW  
Ratchet Demand 23,200 kW

Recommended Billing Demands:  
Firm 32,168 Maximum kW  
Excess 32,168 Maximum kW  
0 kW

## POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL  
Power billing - DEC 93

Page 3

## Ratchet Demand Provision:

Normal Contract

plus high excess in prev. 12 mos.

52,000 kW

0 kW

NOV 92

Total Basis

52,000 kW

## Ratchet Demand

5,000 kW x 0.30 =

1,500 kW

20,000 kW x 0.40 =

8,000 kW

25,000 kW x 0.50 =

12,500 kW

2,000 kW x 0.60 =

1,200 kW

0 kW x 0.70 =

0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

( 52,000 kW x \$0.36 ) = \$18,720.00



FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE October 3, 1994

GAS INVOICE,  
FORT CAMPBELL, KENTUCKY

Billing for September 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>58,555</u>	<u>.03579</u>		<u>2,095.68</u>
COMMODITY:				
NATURAL GAS	<u>58,555</u>	x <u>3.28439</u>	x <u>1.027</u>	<u>197,510.03</u>
PROPANE AIR				
Sub-Total				<u>199,605.71</u>
Net Due				<u>199,605.71</u>

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>.7568</u>	X	<u>1.040</u>	BTUs	<u>.7871</u>
Gas Rate	<u>1.9285</u>	X	<u>1.040</u>	BTUs	<u>2.0056</u>
Plus BTU adj.	<u>2.6853</u>	X	<u>.027</u>	BTUs	<u>.0725</u>
Plus Mark-Up					<u>.41919</u>
Total					<u>3.28439</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

## FORT CAMPBELL BILLING

No. 314-3500

DATE September 9, 1994VOICE  
FORT CAMPBELL, KENTUCKYBilling for August 1994

MEASURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>66,794</u>	<u>.03579</u>		<u>2,390.56</u>
COMMODITY:				
NATURAL GAS	<u>66,794</u>	x <u>3.41369</u>	x <u>1.027</u>	<u>234,170.39</u>
PROPANE AIR	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<del>Sub Total</del> <i>TOTAL</i>				<u>236,560.95</u>

Plus adjustment due to modification P00054 for Nov.  
Net Due

166,356.28  
402,917.23

\*Cost to us

ING

\*\*PA

Commodity Rate (Transportation)	<u>.9473</u>	X	<u>1.040</u>	BTUs	<u>.9852</u>
Gas Rate	<u>1.8591</u>	X	<u>1.040</u>	BTUs	<u>1.9335</u>
Plus BTU adj.	<u>2.8064</u>	X	<u>.027</u>	BTUs	<u>.0758</u>
Plus Mark-Up	<u>          </u>		<u>          </u>		<u>.41919</u>
Total	<u>          </u>		<u>          </u>		<u>3.41369</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

# The City Of Clarksville

Gas and Water Department  
P.O. Box 387  
Clarksville, Tennessee 37041-0387  
615-645-7400

## Ft Campbell Contract

Revised Billing according to Mod P00054

Month	Consumption		Rate	
11/93	154784	x	.0885*	\$ 13,698.38
12/93	196127	x	.0885*	17,357.24
01/94	223048	x	.0885*	19,739.75
02/94	166054	x	.0885*	14,695.78
03/94	160516	x	.0885*	14,205.67
04/94	88738	x	.0885*	7,853.31
05/94	63000	x	.0885*	5,575.50
06/94	60654	x	.0885*	5,367.88
07/94	<u>64908</u>	x	<u>.0885*</u>	<u>5,744.36</u>
	1177829	x	.0885*	\$104,237.87

\*Difference in New Rate and Old Rate.

This replaces adjustment billed on August 1994 bill dated 9/9/94 of \$166,356.28.

## FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE August 4, 1994GAS INVOICE  
FORT CAMPBELL, KENTUCKYBilling for, July 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>64,908</u>	<u>.029489</u> ✓	<u>1.024</u>	<u>1,960.01</u>
COMMODITY:				
NATURAL GAS	<u>64,908</u>	x <u>3.4962</u>	x <u>1.024</u>	<u>232,377.70</u>
PROPANE AIR				
Sub-Total				<u>234,337.71</u>

Less refund from TN Gas Pipeline on IT transportation  
Net Due234,337.71

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>1.1703</u>	X	<u>1.040</u>	BTUs	<u>1.2171</u>
Gas Rate	<u>1.7988</u>	X	<u>1.040</u>	BTUs	<u>1.8708</u>
Plus BTU adj.	<u>2.9691</u>	X	<u>.024</u>	BTUs	<u>.0713</u>
Plus Mark-Up					<u>.336955</u>
Total					<u>3.4962</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

# FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE July 8, 1994

GAS INVOICE  
FORT CAMPBELL, KENTUCKY

Billing for June 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>60,654</u>	<u>.029489</u>	<u>1.024</u>	<u>1,831.55</u>
COMMODITY:				
NATURAL GAS	<u>60,654</u>	x <u>3.5168</u>	x <u>1.024</u>	<u>218,427.38</u>
PROPANE AIR	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Sub-Total				<u>220,258.93</u>

Less refund from TN Gas Pipeline on IT transportation (45,726.81)  
Net Due 174,532.12

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>1.0472</u>	X	<u>1.040</u>	BTUs <u>1.0891</u>
Gas Rate	<u>2.0159</u>	X	<u>1.040</u>	BTUs <u>2.0965</u>
Plus BTU adj.	<u>3.0631</u>	X	<u>.024</u>	BTUs <u>.0735</u>
Plus Mark-Up	<u>          </u>		<u>          </u>	<u>.336955</u>
Total	<u>          </u>		<u>          </u>	<u>3.5961</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE June 10, 1994

GAS INVOICE  
FORT CAMPBELL, KENTUCKY

Billing for May 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>63,000</u>	<u>.029489</u>		<u>1,857.81</u>
COMMODITY:				
NATURAL GAS	<u>63,000</u>	x <u>3.4033</u>	x <u>1.027</u>	<u>220,196.91</u>
PROPANE AIR				
Sub-Total				<u>222,054.72</u>

Less-Correction for Credit on Take-or-Pay previously paid  
plus Take-or-Pay Demand Surcharge Order #528-A same  
Net Due

222,054.72

Cost to us

\*NG \*\*PA

Commodity Rate (Transportation)	<u>2.4268</u>	X	<u>1.040</u>	BTUs	<u>2,5239</u>
Gas Rate	<u>.4470</u>	X	<u>1.040</u>	BTUs	<u>.4649</u>
plus BTU adj.	<u>2.8738</u>	X	<u>.027</u>	BTUs	<u>.07759</u>
plus Mark-Up					<u>.336955</u>
Total					<u>3.4033</u>

Rate adjusted to lowest rate offered for gas sold to any customer per  
contract agreement.

Rate

## FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE May 10, 1994GAS INVOICE  
FORT CAMPBELL, KENTUCKYBilling for April 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>88,738</u>	<u>.029489</u>		<u>2,616.79</u>
COMMODITY:				
NATURAL GAS	<u>88,738</u>	x <u>3.5168</u>	x <u>1.028</u>	<u>320,811.86</u>
PROPANE AIR				
Sub-Total				<u>323,428.65</u>

Less-Correction for Credit on Take-or-Pay previously paid  
 Plus Take-or-Pay Demand Surcharge Order #528-A same  
 Net Due

323,428.65

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	2.3767	X	1.040	BTUs	2.4718
Gas Rate	.9250	X	1.040	BTUs	.9620
Plus BTU adj.	3.3017	X	.028	BTUs	.0924
Plus Mark-Up					.336955
Total					<u>3.8632</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per  
 contract agreement.

\* Rate

## FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE April 8, 1994GAS INVOICE  
FORT CAMPBELL, KENTUCKYBilling for March 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>160,516</u>	<u>.029489</u>		<u>4,733.46</u>
COMMODITY:				
NATURAL GAS	<u>160,516</u>	x <u>3.5168</u>	x <u>1.027</u>	<u>597,744.24</u>
PROPANE AIR				
Sub-Total				<u>584,477.70</u>

Less-Correction for Credit on Take-or-Pay previously paid  
 Plus Take-or-Pay Demand Surcharge Order #528-A same  
 Net Due

584,477.70

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>.8898</u>	X	<u>1.040</u>	BTUs	<u>.9254</u>
Gas Rate	<u>2.4298</u>	X	<u>1.040</u>	BTUs	<u>2.5270</u>
Plus BTU adj.	<u>3.3196</u>	X	<u>.027</u>	BTUs	<u>.0896</u>
Plus Mark-Up					<u>.336955</u>
Total					<u>3.8790</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per  
 contract agreement.

\* Rate



## FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE March 10, 1994GAS INVOICE  
FORT CAMPBELL, KENTUCKYBilling for February 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>166,054</u>	<u>.029489</u>		<u>4,896.77</u>
COMMODITY:				
NATURAL GAS	<u>166,054</u>	x <u>3.5168</u>	x <u>1.024</u>	<u>597,994.20</u>
PROPANE AIR				
Sub-Total				<u>602,890.97</u>
Less-Correction for Credit on Take-or-Pay previously paid				
Plus Take-or-Pay Demand Surcharge Order #528-A same				
Net Due				<u>602,890.97</u>

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>.721</u>	X	<u>1.040</u>	BTUs	<u>.7498</u>
Gas Rate	<u>2.424</u>	X	<u>1.040</u>	BTUs	<u>2.5210</u>
Plus BTU adj.	<u>3.145</u>	X	<u>.024</u>	BTUs	<u>.0755</u>
Plus Mark-Up					<u>.336955</u>
Total					<u>3.6833</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

Rate

# FORT CAMPBELL BILLING

ACCOUNT No: 314-3500

DATE February 10, 1994

GAS INVOICE  
FORT CAMPBELL, KENTUCKY

Billing for January 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	223,048	.029489		6,577.46
COMMODITY:				
NATURAL GAS	223,048	x 3.5168	x 1.024	803,241.17
PROPANE AIR				
Sub-Total				809,818.63

Less-Correction for Credit on Take-or-Pay previously paid  
Plus Take-or-Pay Demand Surcharge Order #528-A same  
Net Due

809,818.63

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	.8176	X	1.040	BTUs	.8503
Gas Rate	2.4388	X	1.040	BTUs	2.5364
Plus BTU adj.	3.2564	X	.024	BTUs	.0782
Plus Mark-Up					.336955
Total					3.8019

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

# FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE January 10, 1994

GAS INVOICE  
FORT CAMPBELL, KENTUCKY

Billing for December 1993

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>196,127</u>	<u>.029489</u>		<u>5,783.59</u>
COMMODITY:				
NATURAL GAS	<u>196,127</u>	x <u>3.5168</u>	x <u>1.022</u>	<u>704,913.70</u>
PROPANE AIR				
Sub-Total				<u>710,697.29</u>

Less-Correction for Credit on Take-or-Pay previously paid  
Plus Take-or-Pay Demand Surcharge Order #528-A same  
Net Due

710,697.29

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>.7719</u>	X	<u>1.040</u>	BTUs	<u>.8028</u>
Gas Rate	<u>2.568</u>	X	<u>1.040</u>	BTUs	<u>2.6707</u>
Plus BTU adj.	<u>3.3399</u>	X	<u>.022</u>	BTUs	<u>.0735</u>
Plus Mark-Up					<u>.336955</u>
Total					<u>3.8840</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

## FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

GAS INVOICE  
FORT CAMPBELL, KENTUCKYDATE December 10, 1993Billing for November 1993

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
COMMODITY:	154.784	.029489		4,564.43
NATURAL GAS	154.784	x 3.5168	x 1.025	557,952.98
PROPANE AIR				
Sub-Total				562,517.41
Less-Correction for Credit on Take-or-Pay previously paid				
plus Take-or-Pay Demand Surcharge Order #528-A same				562,517.41
Net Due				

Cost to us

Commodity Rate (Transportation)	Rate	us BTU adj.	us Mark-Up	Total	*NG	**PA
.8806	X	1.040			BTUs	.9158
2.3392	X	1.040			BTUs	2.4328
3.2198	X	.025			BTUs	.0805
						.336955
						3.766055

Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

Rate

DUPLICATE OF GAS &amp; ELECTRIC RECEIPT FOR PAYMENT TO PROVIDER

# FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE November 10, 1993

GAS INVOICE  
FORT CAMPBELL, KENTUCKY

Billing for October 1993

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>84,053</u>	<u>.029489</u>		<u>2,478.64</u>
COMMODITY:				
NATURAL GAS	<u>84,053</u>	x <u>3.5168</u>	x <u>1.030</u>	<u>304,465.52</u>
PROPANE AIR				
Sub-Total				<u>306,944.16</u>

Less-Correction for Credit on Take-or-Pay previously paid  
Plus Take-or-Pay Demand Surcharge Order #528-A same  
Net Due 306,944.16

\*Cost to us

\*NG

\*\*PA

Commodity Rate (Transportation)	<u>.5334</u>	X	<u>1.040</u>	BTUs	<u>.5547</u>
Gas Rate	<u>2.6726</u>	X	<u>1.040</u>	BTUs	<u>2.7795</u>
Plus BTU adj.	<u>3.206</u>	X	<u>.030</u>	BTUs	<u>.0962</u>
Plus Mark-Up					<u>.336955</u>
Total					<u>3.767355</u>

\*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

\* Rate

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REIMBURSABLE  
CUSTOMERS

---

TO  
 FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

FROM  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$66.15 (2333)	REFUSE:	COLL:	DWDC 83%	\$7.74 (250Z)	
	WTR:	DJAC	\$2.40 (2333)		DISP:	DWDB 17%	\$1.58 (250Z)	
	SWG:	DJEC	\$0.77 (2333)					EDE \$9.32
	BAS:	DJNK	\$112.80 (2333)					EDE 2333 \$182.12

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
AMERICAN FEDERATION OF GOVT EMPLOYEES BLDG 2110	ELECTRICITY	EST 1077	KWH	.0603	\$66.15
	WATER	EST 1,000	M GAL	.6850	\$2.40
	SEWAGE	EST 800	M GAL	.8451	\$0.77
	GAS	EST 245	THM	.4604	\$112.80
	REFUSE	4	CU YD	2.40	\$9.32

CN: 168975  
 MAILING ADDRESS:  
 P.O. BOX 3  
 FORT CAMPBELL, KY 42223  
 BILLED IN ACCORDANCE WITH AR 420-41

SIGNATURE  
*James L. May*  
 JAMES L. MAY, SALES OFFICER

FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$3,280.98 (2333) REFUSE:  
 WTR: DJAC \$225.79 (2333)  
 GAS: DJNK \$2,389.05 (2333) STEAM: DJNK \$1,103.15 (2333) EDE 2333 \$6,998.97

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
ARMY GUEST HOUSE BLDG 2601	ELECTRICITY (WTR #55-015-507)	28480	KWH	.0532	\$1,515.14
	ELECTRICITY FOR A/C	0	KWH	.0532	\$3.60
	WATER	275000	M GAL	0.3773	\$103.76
	GAS	2199	THERM	0.4354	\$957.39
	CREDIT FOR VENDING MACHINE	-358	KWH	0.0532	(\$19.05)
KITCHENETTE	ELECTRICITY (WTR #78-415-322)	1844	KWH	0.0532	\$98.10
KITCHENETTE	GAS	3288	THERM	0.4354	\$1,431.66
GUEST HOUSE ANNEX	ELECTRICITY	31997	KWH	0.0532	\$1,702.24
	WATER	323419	M GAL	0.3773	\$122.03
ICN: 180975	STEAM (OCT-SEP)	146.25	K LB	7.5429	\$1,103.15
	CREDIT FOR VENDING MACHINE	-358	KWH	0.0532	(\$19.05)
BILLED IN ACCORDANCE WITH AR 420-41.					

SIGNATURE *James D. Dugh*  
 FOR CHARLES L. MAY, SALES OFFICER

TOTAL \$6,998.97



DOCUMENT  
 OF THIS FORM IS DEH  
 SHEET NO. 1  
 NO. OF SHEETS 1  
 REGISTER/VOUCHER NO. UT- 889 -95  
 DATE 04/20/95  
 PERIOD COVERED 03/01/95-03/31/95

FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$646.48 (2333)		
	GAS:	DJNK	\$148.04 (2333)		
	WTR:	DJAC	\$18.18 (2333)		
				EDE	2333 \$812.70

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
1101 CLUB	ELECTRICITY	9360	KWH	.0532	\$497.95
1101 CLUB VOLLEYBALL COURT	ELECTRICITY	2792			\$148.53
	GAS	EST 340	THERM	.4354	\$148.04
	WATER	54900	K GAL	.3773	\$18.18

ICN: 18V975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$812.70

FC FORM 223 (REV)

1 MAY 79

B

FROM

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ELC:	DJJC	\$3.60	(2333)
WTR:	DJAC	\$2.40	(2333)
SWB:	DJEC	\$1.93	(2333)
GAS:	DJNK	\$4.69	(2333)

29.71\$	2327	E03
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DESCRIPTION OF MATERIEL AND/OR SERVICES

1503

UNIT COST

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43.623

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52.43

强

\$1.93

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\$4.69

CN: 16T975

MAILING ADDRESS:

115 N. WILSON AVENUE  
DUNN, N.C. 28334

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

Janice J. Pugh  
CHARLES L. MAY, SALES OFFICER

CHARLES L. MAY, SALES OFFICER

TOTAL	\$12.62
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FC FORM 223 (REV)

1 MAY 79

4

REIMBURSEMENT DOCUMENT  
THE PROponent OF THIS FORM IS DEH)

SHEET NO. : 1 NO. OF SHEETS : 1 REGISTER/VOUCHER NO. : UT- 870 -95 DATE : 04/20/95  
CONTRACT NO. : PERIOD COVERED : 03/01/95-03/31/95

TO : FINANCE AND ACCOUNTING OFFICE FROM : DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
ELC: DJJC \$44.50 (2333)  
WTR: DJAC \$2.40 (2333)  
GAS: DJNK \$62.88 (2333)

EDE 2333 \$109.78

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
UNIQUE CLEANING SERVICE	ELECTRICITY	738	KWH	.6603	\$44.50
BLDG 2151	WATER	2,640	M GAL	.8795	\$2.40
	GAS	136.58	THERM	.8143	\$62.88

CN: 168975

MAILING ADDRESS:

221 DALE TERRACE  
CLARKSVILLE, TN 37042  
TEL (615)648-3974

BILLED IN ACCORDANCE WITH CIR 415-3-7.

SIGNATURE

*Charles L. May*  
CHARLES L. MAY, SALES OFFICER

TOTAL \$109.78

FC FORM 223 (REV)

1 MAY 79

A

REIMBURSEMENT DOCUMENT  
 THE PROPOSER OF THIS FORM IS DEH) : SHEET NO. : NO. OF SHEETS : REGISTER/VOUCHER NO. : UT- 887 -95 : DATE : 04/20/95  
 : : : : : : : : : : PERIOD COVERED : 03/01/95-03/31/95

TO : FINANCE AND ACCOUNTING OFFICE : FROM : DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-5000 : FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA : ELC: DJJC \$161.73 (2333) REFUSE: DMDC \$74.56 (2507)  
 : GAS: DJNK \$155.13 (2333)  
 : WTR: DJAC \$5.09 (2333)  
 : SEW: DJEC \$4.47 (2333)  
 : : : : : : : : : : EOE \$74.56  
 : : : : : : : : : : EOE \$326.42

DESCRIPTION OF MATERIEL AND/OR SERVICES					COST
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
TENNESSEE NATIONAL GUARD	ELECTRICITY	3040	KWH	.532	\$161.73
BLDG 6090	GAS	356	THERM	.4354	\$155.13
	WATER	13500	K GAL	.3773	\$5.09
	SEWAGE	10800	K GAL	.4140	\$4.47
	REFUSE	32	CY	2.3331	\$74.56
TOTAL					\$400.98

ICN: 5A0275

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE : *James L. May*  
 CHARLES L. MAY, SALES OFFICER

FINANCE AND ACCOUNTING  
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

FROM

ACCOUNTING AND FUNDING DATA		REFUSE:	COLL:	DWDC 83%	\$63.74 (25CZ)
			DISP:	DWD9 17%	\$13.06 (25CZ)
ELC:	DJJC	\$131.57 (2333)			
WTR:	DJAC	\$5.28 (2333)			
SWG:	DJEC	\$3.91 (2333)			EDE
GAS:	DJWK	\$140.61 (2333)			25CZ
					\$76.80
					2333
					\$291.37

[illegible]

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST
TAYLOR BUS SALES, INC.	ELECTRICITY	2,182	KWH	\$131.57
	WATER	6,000	M GAL	\$5.28
	SEWAGE	4,800	M GAL	\$3.91
	REFUSE	32	CU YD	\$76.80
	GAS	305	THERM	\$140.61

CN: 17X975

MAILING ADDRESS:

RT #4, P.O. BOX 389  
MURRAY, KY 42071

BILLED IN ACCORDANCE WITH AR 420-41.

**SIGNATURE**

CHARLES L. MAY, SALES OFFICER

TOTAL	\$358.17
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FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$194.63 (2333)  
 WTR: DJAC \$18.33 (2333)

DESCRIPTION OF MATERIEL AND/OR SERVICES					COST	
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST		
TRIDING STABLE Bldg 6601 (30%)	ELECTRICITY	104.7	KWH	0.0532	\$5.57	
	WATER	4411.8	K GAL	0.3773	\$2.40	
TRIDING STABLE Bldg 6602 (30%)	ELECTRICITY	107.7	KWH	0.0532	\$5.73	
	WATER	4537.8	K GAL	0.3773	\$2.40	
RESALE STABLES Bldg 6603 (100%)	ELECTRICITY	3095	KWH	0.0532	\$164.65	
	WATER	10418	K GAL	0.3773	\$3.93	
KENNEL Bldg 6617 (100%)	ELECTRICITY	41	KWH	0.0532	\$3.60	
	WATER	2894	K GAL	0.3773	\$2.40	
STABLE RENT Bldg 6619 (30%)	ELECTRICITY	148.2	KWH	0.0532	\$7.88	
	WATER	6250.5	K GAL	0.3773	\$2.40	
HAY BARN Bldg 6619A (30%)	ELECTRICITY	3	KWH	0.0532	\$3.60	
	WATER	208.5	K GAL	0.3773	\$2.40	
INDOOR KENNEL Bldg 6620 (100%)	ELECTRICITY	42	KWH	0.0532	\$3.60	
	WATER	2981	K GAL	0.3773	\$2.40	
STABLES Bldg 6620	ELECTRICITY	0	KWH	0.0532	\$0.00	
	WATER	0	K GAL	0.3773	\$0.00	
BILLED IN ACCORDANCE WITH AR 420-41.						
CN: 180973						

BILLING IN ACCORDANCE WITH AR 420-41. CN:180973  
 SIGNATURE *Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

TO  
 FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

FROM  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$1,442.78 (2333)  
 PPB: DJNK \$0.00 (26EL)  
 WTR: DJAC \$14.05 (2333)  
 EOE 26EL \$0.00  
 EOE 2333 \$1,456.83

DESCRIPTION OF MATERIAL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
SPORTSMAN LODGE	ELECTRICITY	27120	KWH	.0532	\$1,442.78
BLDG 6644		0	GAL	.5120	\$8.00
	WATER	37249	K GAL	.3773	\$14.05

CN: 18975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,456.83

REIMBURSEMENT DOCUMENT  
 PROPOSER OF THIS FORM IS DEH

TO: FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

FROM: DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$544.94 (2333)  
 WTR: DJAC \$3.44 (2333)  
 GAS: DJNK \$780.10 (2333)

EOE 2333 \$1,328.48

DESCRIPTION OF MATERIEL AND/OR SERVICES				COST	
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
U.S. POST OFFICE BLDG 91 MICHIGAN AVE FORT CAMPBELL, KY 42223	ELECTRICITY	10,243	KWH	0.0532	\$544.94
	WATER	9,120	M GAL	0.3773	\$3.44
	GAS	1792	THERM	0.4354	\$780.10

BILLING INFORMATION  
 BILL IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *James F. Hugh*  
 FOR CHARLES L. MAY, SALES OFFICER

TOTAL \$1,328.48  
 FC FORM 223 (REV) 1 MAY 79  
 A



# REIMBURSEMENT DOCUMENT

(THE PROponent OF THIS FORM IS DEH)

SHEET NO.

NO. OF SHEETS

REGISTER/VOUCHER NO. UT- 810 -94

DATE

PERIOD COVERED

03/01/95

02/11/95-03/10/95

CONTRACT NO.

TO

FROM

FINANCE AND ACCOUNTING

FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS

FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND

FUNDING DATA

ELC:

WTR:

SWG:

DJJC

DJAC

DJEC

\$655.00 (2333)

\$3.62 (2333)

\$3.57 (2333)

COLL:

DISP:

\$127.49 (2507)

\$26.11 (2507)

EDE

2507

2333

\$153.60

\$662.19

## DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

FARFABLE, INC.

BLDG 923

ELECTRICITY

(NTR #C1200)

11,989

KWH

\$0.6403

\$655.00

WATER

EST

5,280

M GAL

\$0.6850

\$3.62

SEWAGE

EST

4,224

M GAL

\$0.8451

\$3.57

REFUSE

64

CU YD

2.4031

\$153.60

-CN: 175975

MAILING ADDRESS:

P.O. BOX 260

625 NORTH STATE STREET

JACKSON, MS 39205

BILLED IN ACCORDANCE WITH CIR 415-3-7.

SIGNATURE

CHARLES L. MAY, SALES OFFICER

TOTAL

\$815.79

FC FORM 223 (REV)

1 MAY 79

MENT DOCUMENT  
OF THIS FORM IS DEH)

SHEET NO.  
1

NO. OF SHEETS  
1

RECEIPT/VOUCHER NO.  
UT- 885 -95

DATE  
04/20/95

PERIOD COVERED  
03/01/95-03/31/95

FINANCE AND ACCOUNTING OFFICE  
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND  
FUNDING DATA

ELC: DJJC \$74.32 (2333)  
WTR: DJAC \$4.58 (2333)

2333 \$78.90

DESCRIPTION OF MATERIAL AND/OR SERVICES

COST

ORGANIZATION

QUANTITY

UNIT

UNIT COST

PARACHUTE CLUB  
Bldg 2519

ELECTRICITY

1397

KWH

\$0.0532

\$74.32

WATER

12144

K GAL

\$0.3773

\$4.58

CN: 18F975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*Charles L. May*  
CHARLES L. MAY, SALES OFFICER

TOTAL \$78.90

FC FORM 223 (REV)

1 MAY 79

B

47

FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$3,404.80 (2333)  
 WTR: DJAC \$107.74 (2333)  
 GAS: DJNK \$975.12 (2333)  
 EOE 2333 \$4,487.66

DESCRIPTION OF MATERIEL AND/OR SERVICES				COST	
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
FORT CAMPBELL OFFICER'S CLUB BLDG 1501	ELECTRICITY	64000	KWH	0.0532	\$3,404.80
	WATER	285546	M GAL	0.3773	\$107.74
	GAS	2240	THERM	0.4354	\$975.12

ICN: 184975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *James L. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$4,487.66

TO OL, A 436TH MAW  
 CAAF  
 FORT CAMPBELL, KY 42223  
 FROM  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC: DJJC \$207.48 (2333)	REFUSE: COLL: DMDC 83%	\$6.96 (25CZ)
	WTR: DJAC \$15.28 (2333)	DISP: DMDB 17%	\$1.43 (25CZ)
	SWB: DJEC \$11.55 (2333)		EOE 25CZ \$8.39
	GAS: DJNK \$376.75 (2333)		EOE 2333 \$611.06

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
OL-U, 621st AMOG CAAF	ELECTRICITY	3,900	KWH	0.0532	\$207.48
	WATER	40,500	K GAL	0.3773	\$15.28
	SEWAGE	27,900	K GAL	0.4140	\$11.55
	REFUSE	4	CU YD	2.3331	\$8.39
	GAS	865	THERM	0.4354	\$376.75

\*As per telephone conversation with MSG Flowers, 45% credit for gas. Summer months

AV STR: 9

CN: 5A1775

MAILING ADDRESS:  
OL-U, 621st AMOG  
CAAF

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV)  
 1 MAY 79

TOTAL \$619.45

PROJECT DOCUMENT SHEET NO. 1 NO. OF SHEETS 1 CONTRACT NO. 876-95 DATE 04/20/95  
PROPOSAL OF THIS FORM IS DEH) 1 1 PERIOD COVERED 03/01/95-03/31/95

TO

FROM

FINANCE AND ACCOUNTING OFFICE  
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$379.21 (2333)			
	WTR:	DJAC	\$6.34 (2333)			
	SEW:	DJEC	\$0.00 (2333)			
	GAS:	DJNK	\$510.61 (2333)			
				EDE	2333	\$896.16

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST		
INCO CLUB	ELECTRICITY	7128	KWH	.0532		\$379.21
	WATER	16800	M GAL	.3773		\$6.34
	SEWAGE	0	K GAL	.4140		\$0.00
	GAS	1173	THM	.4354		\$510.61

ICN: 186975

MAILING ADDRESS:

BLDG 2577

FT CAMPBELL, KY

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*Janice J. Pugh*  
for CHARLES L. MAY, SALES OFFICER

TOTAL \$896.16

FC FORM 223 (REV)

1 MAY 79

B

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

\$61.88	(25CZ)
\$12.68	(25CZ)

437 63

47 7A

577

478 51

• 10 75

4713 07

45

**SUBTOTAL** \$313.37

TOTAL	4037 70
-------	---------

MENT DOCUMENT  
MENT OF THIS FORM IS DEH)

SHEET NO.  
1

NO. OF SHEETS  
1

REGISTER/VOUCHER NO.  
CONTRACT NO.

UT- 878 -95

DATE

04/20/95  
03/01/95-03/31/95

PERIOD COVERED

FINANCE AND ACCOUNTING OFFICE  
FORT CAMPBELL, KY 42223-5000

FROM

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ELC:

ACCOUNTING AND  
FUNDING DATA

DJJC \$2,146.68 (2333) REFUSE:  
DJAC \$45.73 (2333)  
DJEC \$33.87 (2333)  
DJNK \$468.69 (2333)

DMDC 83% \$478.08 (2502)  
DMDB 17% \$97.92 (2502)

EDE 2502 \$576.00  
EDE 2333 \$2,694.97

DESCRIPTION OF MATERIAL AND/OR SERVICES

COST

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

MM INVESTMENT  
COMPANY

ELECTRIC

35600

KWH

.0603

(FOR KENTUCKY FRIED  
CHICKEN LOCATED  
AT FT CAMPBELL,  
KENTUCKY)

WATER

52000

M GAL

.8795

\$2,146.68

SEWAGE

41600

M GAL

.8143

\$45.73

REFUSE

240

30/YD COMPACTOR  
(2 time a week)

2.40

\$33.87

GAS

1018

THERM

\$576.00

\$468.69

CN:19R975

MAILING ADDRESS:

2724 UTAH DRIVE

BOWLING GREEN, KY 42101

TEL#(502)782-1188 OR (502)842-1534

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

CHARLES L. MAY, SALES OFFICER

TOTAL \$3,270.97

FC FORM 223 (REV)

1 MAY 79

B

47

# ORDERMENT DOCUMENT

REASON OF THIS FORM IS DEH)

SHEET NO.

1

NO. OF SHEETS

1

REGISTER/VOUCHER NO. UT- 849 -94

CONTRACT NO.

DATE

PERIOD COVERED

04/2

03/01/95-03/31/95

## FINANCE AND ACCOUNTING

FORT CAMPBELL, KY 42223-5000

## DIRECTORATE OF PUBLIC WORKS

FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND  
FUNDING DATA

ELC: DJJC \$114.91 (2333)  
WTR: DJAC \$6.56 (2333)  
SWG: DJEC \$5.76 (2333)

GAS: DJWK \$59.11 EOE 2333 \$186.34

## DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

LOUISVILLE CORPS OF

ENGINEERS

BLDG 2180

ELECTRICITY

2,160

KWH

0.0532

\$114.91

WATER

EST 17,391

M GAL

0.3773

\$6.56

SEWAGE

EST 13,913

M GAL

0.4140

\$5.76

GAS

EST 136

THERM

0.4354

\$59.11

CN: 154775

MAILING ADDRESS:

P.O. BOX 427

CLARKSVILLE, TN 37040

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*Janice J. Pugh*  
CHARLES L. MAY, SALES OFFICER

TOTAL \$186.34

FC FORM 223 (REV)

1 MAY 79





TO: FINANCE AND ACCOUNTING  
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$17.05	(2333)	REFUSE:	COLL:	DWDC 83%	\$55.31	(2502)
	WTR:	DJAC	\$8.63	(2333)		DISP:	DWDB 17%	\$11.33	(2502)
	SWG:	DJEC	\$8.52	(2333)					EDE
	GAS:	DJNK	\$38.99	(2333)					EDE
									\$66.64
									\$73.19

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
PARION F. KADUNC (GREYHOUND LINES) BLDG 2699 *CHARGED 26% OF MTR READING	ELECTRICITY (MTR #39332898)  ELECTRICITY* (MTR #39-332-898)	223  58	KWH  KWH	0.0603  0.0603	\$13.45  \$3.60
	WATER	12,600	M GAL	0.6850	\$8.63
	SEWAGE	10,080	M GAL	0.8451	\$8.52
	REFUSE	17	CU YD	2.4031	\$66.64
	GAS	85	THM	0.4604	\$38.99

CN: 160975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *Janice F. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$139.83

TO  
 FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 FROM  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC: DJJC \$1,232.80 (2333)				
	WTR: DJAC \$29.40 (2333)				
	OIL: DJNC \$312.84 (266M)				
	PPG: DJNK \$78.85 (26EL)				
					26EL \$78.85
					266M \$312.84
					2333 \$1,262.20
					EDE

DESCRIPTION OF MATERIEL AND/OR SERVICES					COST
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
GOLF COURSE	ELECTRICITY (1601 & 1603)	18560	KWH	0.0532	\$987.39
HOUSE/SNACK BAR	WATER	42347	K GAL	0.3773	\$15.98
BLDG 1601	FUEL OIL (OCT-SEP)	474	GAL	0.6600	\$312.84
MAINTENANCE (EST)	ELECTRICITY	1382	KWH	0.0532	\$73.52
BLDG 1568	WATER	8833	K GAL	0.3773	\$3.33
	PROPANE (OCT-SEP)	154	GAL	0.5120	\$78.85
MAINTENANCE (EST)	ELECTRICITY	231	KWH	0.0532	\$12.29
BLDG 1569	WATER	15155	K GAL	0.3773	\$5.72
MAINTENANCE	WATER	11575	K GAL	0.3773	\$4.37
BLDG 1603	ELECTRICITY	3000	KWH	0.0532	\$159.60
GOLF COURSE PUMP STATION					

ICN: 188975  
 BILL IN ACCORDANCE WITH AR 420-41.  
 SIGNATURE *Charles L. May*  
 CHARLES L. MAY, SALES OFFICER  
 TOTAL \$1,653.89



FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$17,044.68 (2333) REFUSE: COLL: DMDC 83% \$2,908.59 (25CZ)  
 WTR: DJAC \$485.83 (2333) DISP: DMDB 17% \$595.73 (25CZ)  
 SWG: DJEC \$426.29 (2333)  
 GAS: DJNK \$9,754.73 (2333)  
 25CZ \$3,504.32  
 2333 \$27,711.53

DESCRIPTION OF MATERIEL AND/OR SERVICES

FT CAMPBELL SCHOOLS:	UTILITY	QUANTITY	UNIT	UNIT COST	COST
LINCOLN SCHOOL					
8 TRLS	ELECTRICITY	360	KWH	0.0532	\$19.15
	WATER	100,000	M GAL	0.3773	\$37.73
	SEWAGE	80,000	M GAL	0.414	\$33.12
	GAS	214	THERM	0.4354	\$93.08
	REFUSE	320	CU YD	2.33	\$745.60
WASSON MIDDLE SCHOOL					
	ELECTRICITY MTR #77786124	10,320	KWH	0.0532	\$549.02
	ELECTRICITY MTR #76167098	17,280	KWH	0.0532	\$919.30
	WATER	121,100	M GAL	0.3773	\$45.69
	SEWAGE	96,880	M GAL	0.414	\$40.11
	GAS	2046	THERM	0.4354	\$890.91
	REFUSE	192	CU YD	2.33	\$447.36
JACKSON SCHOOL					
3 TRLS	ELECTRICITY	23,423	KWH	0.0532	\$1,246.10
	ELECTRICITY MTR#76-164-013	320	KWH	0.0532	\$17.02
	ELECTRICITY MTR#76-167-099	101,520	KWH	0.0532	\$5,400.86
	WATER	124,600	M GAL	0.3773	\$47.01
	SEWAGE	99,600	M GAL	0.414	\$41.27
	GAS	1000	THERM	0.4354	\$783.72
	REFUSE	192	CU YD	2.33	\$447.36

CN: 5AB775  
 BILL IN ACCORDANCE WITH AR 420-41.  
 SIGNATURE *James J. Pugh*  
 CHARLES L. MAY, SALES OFFICER

REIMBURSEMENT DOCUMENT  
 PROPOSED BY: SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 875 -95 DATE 04/20/95  
 PROPOSED BY: SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 875 -95 DATE 03/01/95-03/31/95

TO: FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS  
 FROM: FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$143.00	(2333)	REFUSE:	COLL:	DMDC 83%	\$0.00	(2507)	2507	\$0.00
	WTR:	DJAC	\$2.45	(2333)	DISP:	DMDB 17%	\$0.00	(2507)	2507	\$412.16	
	PPG:	DJNK	\$412.16	(26EL)					26EL	\$145.45	
									2333		
									EOE		

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
EQUIPMENT CHECKOUT CENTER (70% OF BLDG)	ELECTRICITY	2688	KWH	0.0532	\$143.00
BLDG 5658	WATER	6500	M GAL	0.3773	\$2.45
	PROPANE	805	GAL	.5120	\$412.16
					\$0.00

CN: 18K975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *James J. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$557.61

FC FORM 223 (REV)

1 MAY 79

B

ASSESSMENT DOCUMENT

THE PROponent OF THIS FORM IS DEH)

SHEET NO.

1

NO. OF SHEETS

1

REGISTER/VOUCHER NO. UT- 848 -94

CONTRACT NO.

DATE

PERIOD COVERED

04/20/95

03/01/95-03/31/95

TO

FINANCE AND ACCOUNTING

FORT CAMPBELL, KY 42223-5000

FROM

DIRECTORATE OF PUBLIC WORKS

FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND  
FUNDING DATA

ELC:

DJJC

\$585.17

(2333)

OIL:

DJNC

(266M)

\$0.00

WTR:

DJAC

\$3.02

(2333)

SWG:

DJEC

\$2.65

(2333)

EDE

266M

\$0.00

GAS:

DJNK

\$858.56

(2333)

EDE

2333

\$1,449.40

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

FORT CAMPBELL  
FIELD OFC DEFENSE  
REUTILIZATION  
AND MARKETING OFC

ELECTRICITY

11,000

KWH

0.0532

\$585.17

BLDG. 5211,  
5212, 5213, 5216  
FORMERLY:  
PROPERTY DISPOSAL

WATER

EST

8,000

K GAL

0.3773

\$3.02

SEWAGE

EST

6,400

K GAL

0.4140

\$2.65

GAS

1,973

THERM

0.4354

\$858.56

FUEL OIL

0

GAL

.6600

\$0.00

CN: 152875

MAILING ADDRESS:

DEFENSE REUTILIZATION & MARKETING OFC

AIRWAYS BLVD.

MEMPHIS, TN 38115

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*for James J. Pugh*  
CHARLES L. MAY, SALES OFFICER

TOTAL

\$1,449.40

FC FORM 223 (REV)

1 MAY 79

TO  
 FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 FROM  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA  
 ELC: DJJC \$578.98 (2333) REFUSE: CULL: DMDC 83% \$123.77 (25CZ)  
 WTR: DJAC \$2.40 (2333) DISP: DMDB 17% \$25.35 (25CZ)  
 GAS: DJNK \$68.79 (2333)  
 SEW: DJEC \$1.93 (2333)  
 EOE 25CZ \$149.12  
 EOE 2333 \$652.10

DESCRIPTION OF MATERIEL AND/OR SERVICES					COST
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
DEFENSE PRINTING OFFICE	ELECTRICITY	10883	KWH	0.0532	\$578.98
BLDG 2611/2615	WATER	5880	K GAL	0.3773	\$2.40
	GAS	158	THERM	0.4354	\$68.79
	SEWAGE	4704	K GAL	0.414	\$1.93
	REFUSE	64	CUYD	2.33	\$149.12

CN: 5AF775

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *James J. Ray*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$801.22



EXPENSE DOCUMENT

RECEIPT OF THIS FORM IS DEH

SHEET NO. 1

NO. OF SHEET 1

REGISTER/VOUCHER NO. UT-857-94

DATE

PERIOD COVERED

04/20

03/01/95-03/31/95

TO

FINANCE AND ACCOUNTING

FORT CAMPBELL, KY 42223-5000

FROM

DIRECTORATE OF PUBLIC WORKS

FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND  
FUNDING DATA

ELC: DJJC \$486.92 (2333)  
WTR: DJAC \$5.42 (2333)  
SWG: DJEC \$4.01 (2333)  
GAS: DJNK \$14.06 (2333)

REFUSE: COLL: DMDC 83% \$63.74 (25CZ)  
DISP: DMDB 17% \$13.06 (25CZ)

2502 EOE \$76.80  
2333 EOE \$510.41

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

COST

CREDIT UNION  
BLDG NEXT TO  
MAIN PX  
ELECTRICITY  
(MTR #26511396)

8,075

KWH

0.0603

\$486.92

WATER

6,160

M GAL

0.8795

\$5.42

SEWAGE

4,928

M GAL

0.8143

\$4.01

REFUSE

32

CU YD

2.4031

\$76.80

GAS

31

THM

0.4604

\$14.06

CN: 162975

MAILING ADDRESS:

P.O. BOX 15

FORT CAMPBELL, KY 42223

BILLED IN ACCORDANCE WITH AR 420-41

SIGNATURE

*Charles L. May*  
CHARLES L. MAY, SALES OFFICER

TOTAL \$587.21

FC FORM 223 (REV)

1 MAY 79

MENT DOCUMENT  
NT OF THIS FORM IS DEH)

SHEET NO. 1

NO. OF SHEETS 1

REGISTER/VOUCHER NO. UT- 850 -94  
CONTRACT NO.

DATE  
PERIOD COVERED

04/20/95  
03/01/95-04/20/95

10

FROM

FINANCE AND ACCOUNTING  
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC: DJJC \$15,162.00 (2333)				
	WTR: DJAC \$59.45 (2333)				
	GAS: DJNK \$1,686.98 (2333)				
	GREASE TRAPS: DJSK \$0.00				
		EDE	2333		\$16,908.43

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
USA COMMISSARY BLDG 2702 FT CAMPBELL, KY 42223	ELECTRICITY	285,000	KWH	0.0532	\$15,162.00
	WATER	EST 157,560	M GAL	0.3773	\$59.45
	GAS	3875	THERM	0.4140	\$1,686.98
	GREASE TRAP	PLUS \$0.00 FOR PUMPING	BAL	.18	\$0.00

METER READINGS: ELECTRIC PRESENT 2217 1932 ESTIMATED  
MULTIPLIER: 1000  
GAS 7540 7402 ESTIMATED  
MULTIPLIER: 2.758  
WATER ESTIMATED AT 157560 GAL PER MONTH

CN: 16HA75  
MAILING ADDRESS:  
COMMANDER, USATA  
DLAD-TAB-R  
FT LEE, VA 23807

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice J. Pugh*  
CHARLES L. MAY, SALES OFFICER

TOTAL \$16,908.43

TO : FINANCE AND ACCOUNTING  
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$5.50	(2333)	REFUSE:	COLL:	DMDC 83%	\$22.78	(2507)
	WTR:	DJAC	\$2.46	(2333)		DISP:	DMDB 17%	\$4.66	(2507)
	SWG:	DJEC	\$1.93	(2333)					EOE
	GAS:	DJNK	\$13.09	(2333)					EOE
									2507
									2333
									\$27.44
									\$22.98

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CLARKSVILLE LIMOUSINE SERVICE BLDG 2699	ELECTRICITY	100	KWH	0.055	\$5.50
	WATER	2,500	M GAL	0.9834	\$2.46
	SEWAGE	2,000	M GAL	0.9668	\$1.93
	REFUSE	7	CU YD	3.92	\$27.44
	GAS	31	THM	0.4286	\$13.09

Refuse is 22 percent of refuse bill for bldg 2699

CN: 17E975

MAILING ADDRESS:  
 P.O. BOX 88  
 CLARKSVILLE, TN 37040

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$50.42

FC FORM 223 (REV)

1 MAY 79

FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

ELC: DJJC \$1,710.91 (2333)  
 GAS: DJNK \$84.22 (2333)  
 WTR: DJAC \$28.37 (2333)

EOE 2333 \$1,823.50

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CHAMPION SPORTS CLUB	ELECTRICITY	32160	KWH	.0532	\$1,710.91
BLDG 3910	GAS	193	THERM	.4354	\$84.22
	WATER	75200	K GAL	.3773	\$28.37

ICN: 18X975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice J. Felt*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,823.50

TO  
 FROM  
 FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000  
 DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$467.93	(2333)	COLL:	DMD 83%	\$191.23		
	WTR:	DJAC	\$316.62	(2333)		DMD 17%	\$39.17		
	GAS:	DJNK	\$304.91	(2333)				EDE 2507	\$230.40
								EDE 2333	\$1,089.46

DESCRIPTION OF MATERIEL AND/OR SERVICES									
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST				
CCT SERVICES BLDG 2906	ELECTRICITY	7760	KWH	.0603					\$467.93
	WATER	360000	M GAL	.8795					\$316.62
	GAS	662	THM	.8143					\$540.94
	REFUSE	96	CUYD	2.40					\$230.40

78 134

CN: 16E975

MAILING ADDRESS:  
 P.O. BOX 463  
 HOPKINSVILLE, KY 42240

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE  
*for Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,319.86

PERMANENT DOCUMENT  
DOCUMENT OF THIS FORM IS DEH

SHEET NO.  
1

NO. OF SHEETS  
1

REGISTER/VOUCHER NO. UT-853-94  
CONTRACT NO.

DATE

04/20/95  
03/01/95-03/31/95

TO

FINANCE AND ACCOUNTING  
FORT CAMPBELL, KY 42223-5000

FROM

DIRECTORATE OF PUBLIC WORKS  
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND

FUNDING DATA

ELC:

WTR:

SWG:

GAS:

DJJC

DJAC

DJEC

DJNK

\$23.69

\$21.99

\$16.29

\$9.28

(2333)

(2333)

(2333)

(2333)

REFUSE:

DISP:

COLL:

DMD8 83%

DMD8 17%

\$15.94

\$3.26

(25CZ)

(25CZ)

EDE

EDE

\$19.20

\$71.25

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION

UTILITY

QUANTITY

UNIT

UNIT COST

CANDI CAB

Refuse is 26 percent of refuse bill for bldg 2699

BLDG 2699

\*CHARGED 22% OF

MTR READING

ELECTRICITY

(MTR #39-651-223)

393

KWH

0.0603

\$23.69

WATER

EST

25,000

M GAL

0.8795

\$21.99

CN: 19975

SEWAGE

EST

20,000

M GAL

0.8143

\$16.29

MAILING ADDRESS:

P.O. BOX 180

FT CAMPBELL, KY 42223

REFUSE

8

CUYD

2.4031

\$19.20

GAS\*

20

THM

0.4604

\$9.28

BILLED IN ACCORDANCE WITH AR 420-41.

SUBTOTAL

\$90.45

SIGNATURE

CHARLES L. MAY, SALES OFFICER

TOTAL

\$90.45

FC FORM 223 (REV)

1 MAY 79

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

POST EXCHANGE	ELECTRICITY		WATER		REFUSE		GAS		OIL		STEAM		GAS/OIL/ STEAM COST	
	KWH	COST	GAL	COST	CU YD	COST	THERM	GAL			SF/KLB (STEAM NOV-MAY)			
6902 BAR S (OFF PX METER)	5,644	\$300.26	2,000	\$2.40	1	\$2.33					330	\$24.91	\$29.64	
7163 SNACK BAR (EST)	43,920	\$2,336.54	8,000	\$3.02	96	\$223.68	285					\$124.11	\$651.07	
MAIN STORE BASEMENT 98 (MTR #62221154)	7,440	\$395.81	19,800	\$7.47	192	\$447.36	0					\$3.75	\$2,795.12	
BLANK		\$0.00										\$3,684.12	\$3,684.12	
BLDG 96 (MTR#27233785) CLASS SIX			25,200	\$9.51	0	\$0.00			5582				\$0.00	
BLDG 99 (MTR#27233786)		\$3.60	1,000	\$2.40	32	\$74.56							\$405.32	
4190 LV SHOPPETIE	25,920	\$1,378.94			120	\$279.60	41					\$17.73	\$1,676.27	
4190 LV LAUNDERETTE	8,700	\$462.84	251,000	\$94.70			1140					\$496.43	\$591.13	
5703 BURGER KING Grease traps will be billed quarterly	728	\$38.73	100,000	\$37.73	240	\$559.20	1547					\$673.72	\$1,733.49	
PHONE CENTER MODULE			0	\$0.00	0	\$0.00	0				(TRAPS)	\$0.00	\$0.00	
LUNCHING PAD CAF	1,215	\$64.64	1,000	\$2.40	0	\$0.00							\$67.04	
3105 PX ADMIN/PAINT	1,320	\$70.22	6,000	\$2.40	32	\$74.56	523.84					\$228.08	\$375.26	
LUNCHING PAD SARRIE	1,807	\$96.13	0	\$0.00	0	\$0.00	0					\$0.00	\$96.13	
UTILITY COST			0	\$0.00	0	\$0.00	0					\$0.00	\$0.00	
TOTALS				\$495.28		\$3,788.58							\$8,730.85	

PAGE 4 TOTAL  
\$12,223.89

GRAND TOTAL  
\$48,387.76

SIGNATURE  
CHARLES L. MAY, SALES OFFICER

FC FORM 223-1 (REV)  
1 MAY 79

5197.11  
\$35,319.08

1661.29

5252.85

87

8730.85







03/05  
02/11/95

UT-877-95

REGISTER/  
VOUCHER NO.

# of SHEETS  
4

3

OF THIS FORM IS D

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

POST EXCHANGE	ELECTRICITY		WATER		REFUSE		GAS		OIL		STEAM		GAS/OIL/ STEAM		COST
	KWH	COST	GAL	COST	CU YD	COST	THERM	GAL			SF/KLB				
CANDY	3,360	\$178.75													\$178.75
168 EA		\$348.73													\$348.73
BEER	0	\$0.00													\$0.00
ICE CR	0	\$0.00													\$0.00
0 EA		\$27.45													\$27.45
COFFEE	516	\$0.00													\$0.00
3 EA		\$0.00													\$0.00
MILK	0	\$0.00													\$0.00
0 EA		\$0.00													\$0.00
SANDWICH	0	\$0.00													\$0.00
0 EA		\$0.00													\$0.00
BLANK	0	\$0.00													\$0.00
3958 BAR S	2,000	\$2.40	2,000	\$2.40	1	\$2.33									\$4.73
3958 PX & SNK	22,480	\$1,195.94	8,000	\$3.02	63	\$146.79									\$1,612.69
5600 IN SER STATION	22,160	\$1,178.91	3,000	\$2.40	160	\$372.80									(\$598.81)
															\$1,557.86
MCC PHONE CTR 806 5701	200	\$10.64	2,000	\$2.40	32	\$74.56									\$86.46
6140 PX #5	8,480	\$451.14	16,000	\$6.04	63	\$146.79									(\$149.12)
6140 BAR S	(OFF PX METER)		4,000	\$2.40	1	\$2.33									\$870.91
6722 PX #3	9,920	\$527.74	11,200	\$4.23	32	\$74.56									(\$298.24)
6902 PX #7	10,912	\$580.52	11,900	\$4.49	31	\$72.23									\$29.64
															\$873.48
															(\$149.12)
															\$24.91
															(\$149.12)
															\$924.19

SIGNATURE

Charles L. May, Sales Officer

-452.02

1130.23

PAGE 3 TOTAL  
\$5,295.39

FC FORM 223-1 (REV)

1 MAY 79

449982

B

UNIT DOCUMENT  
 ATTACHED TO THIS FORM IS D

SHEET NO. 1

# OF SHEETS 4

MASTER/ COUCHER NO.

UT- 877 -951

DATE PERIOD COVERED

03/20 02/11/95-03/20/95

FROM

FINANCE AND ACCOUNTING OFFICE  
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS  
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND  
 FUNDING DATA

ELC: DJJC  
 WTR: DJAC  
 GAS: DJNK  
 STM: DJNK

\$35,319.06 (2333)  
 495.28 (2333)  
 3642.25 (2333)  
 1404.48 (2333)

REFUSE: COLL: DWDG 83%  
 DISP: DWDG 17%  
 DJSK: (25CZ) \$0.00  
 DJNC: (26SM) \$3,684.12

(25CZ) EOE  
 (25CZ) EOE  
 EOE  
 EOE

25CZ 26GM 25CZ 2333

\$0.00  
 \$3,684.12  
 \$3,788.58  
 \$40,861.06

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION  
 POST EXCHANGE

UTILITY  
 ELECTRICITY

UNIT  
 KWH

UNIT COST  
 0.0532

WATER

M GAL

0.3773

REFUSE

CU YD

2.33

GAS

THERM

0.4354

OIL

GAL

6600

STEAM

KLB

7.5473

CN: 181975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

*Charles L. May*  
 CHARLES L. MAY, SALES OFFICER

GRAND  
 TOTAL

\$48,338.77

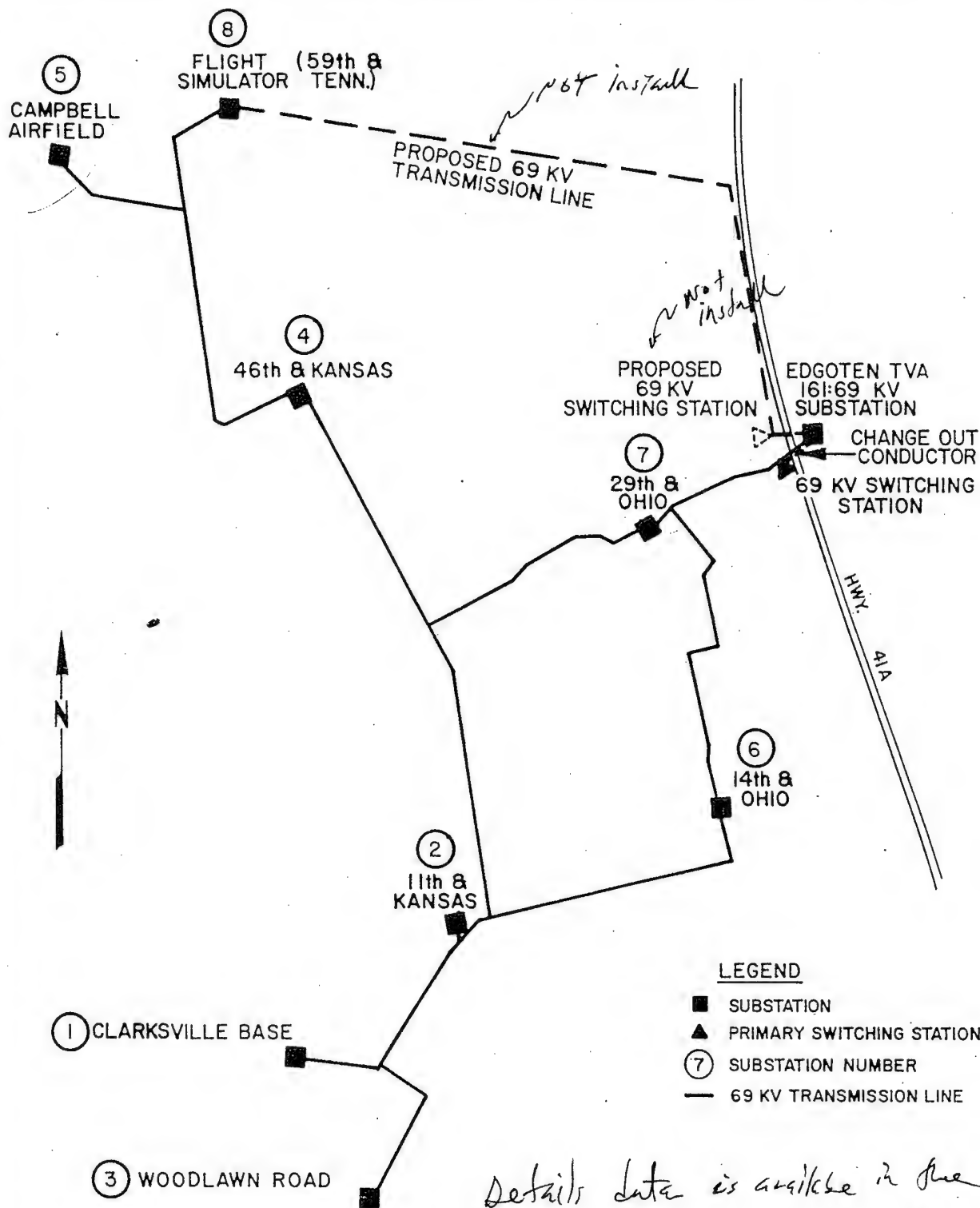
FC FORM 223 (REV)

1 MAY 79

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# ELECTRICAL SYSTEMS

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Details data is available in the electrical Dist Reports 1985  
 No projects has been done for in major upgrade or equipment change out.



**ALLEN & HOSHALL INC.**  
 ENGINEERS ARCHITECTS CONSULTANTS

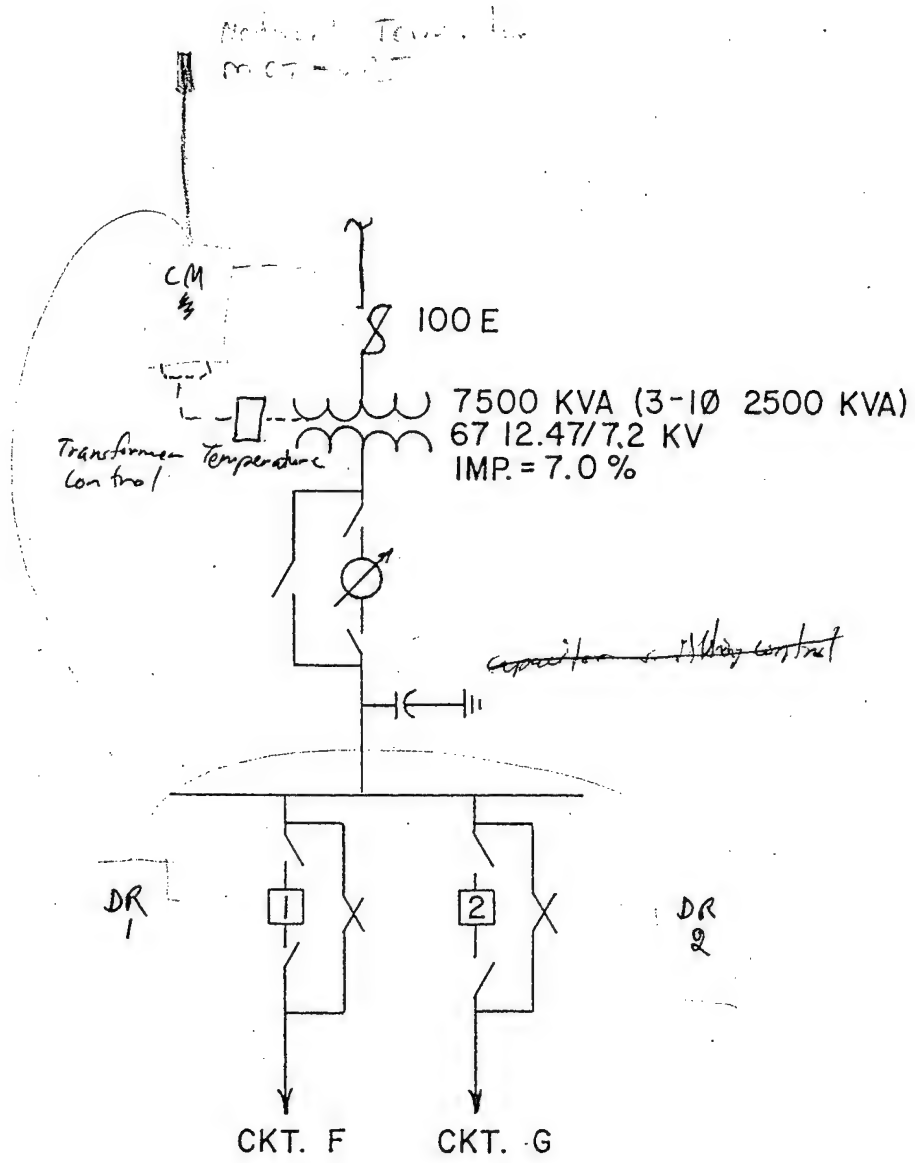
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	R.E.P.	JOB NO.	
CHECKED	O.L.J.	DATE	7-17-85
APPROVED	O.L.J.	SCALE	NONE

**FORT CAMPBELL**  
**69KV SYSTEM**

**EXHIBIT I-1**

DRAWING NO.



No CT's & PT's  
existing

*pic 16, 17, 18*  
Picture 16, 17, 18



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

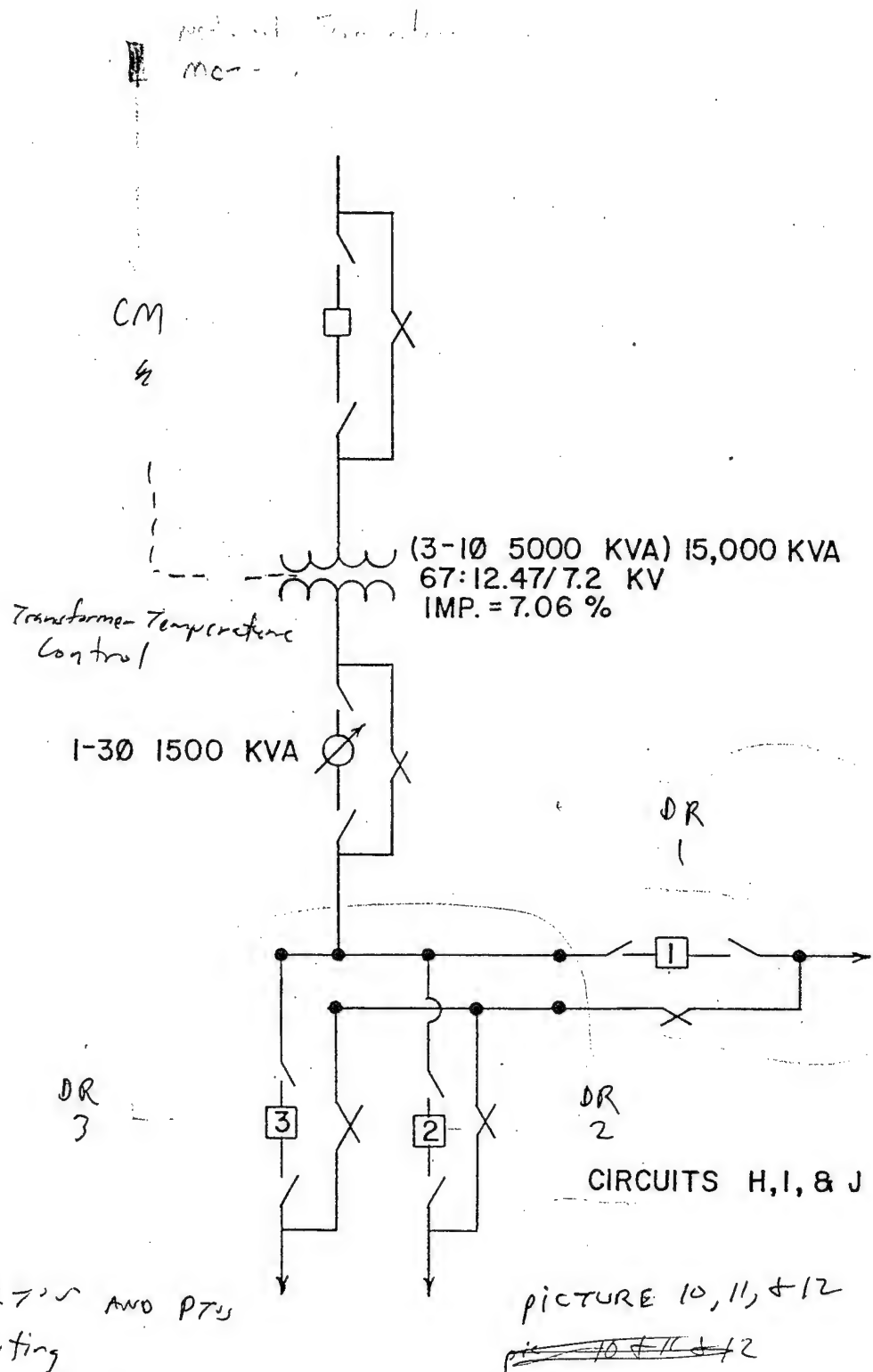
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY  
SUBSTATION SWITCHING ARRANGEMENT

WOODLAWN ROAD SUBSTATION 3

DRAWING NO.



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

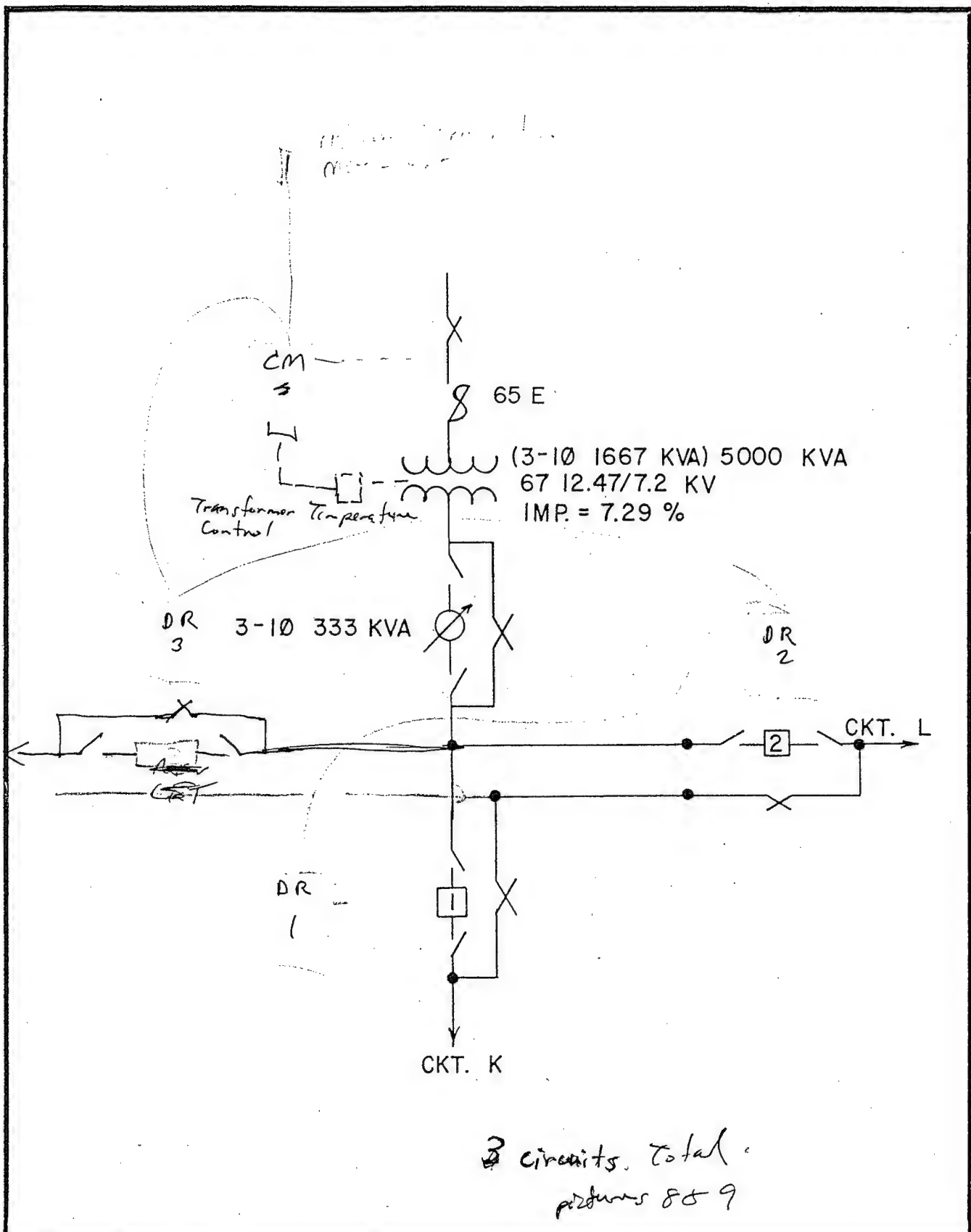
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY  
SUBSTATION SWITCHING ARRANGEMENT

47TH & KANSAS SUBSTATION 4

DRAWING NO.



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

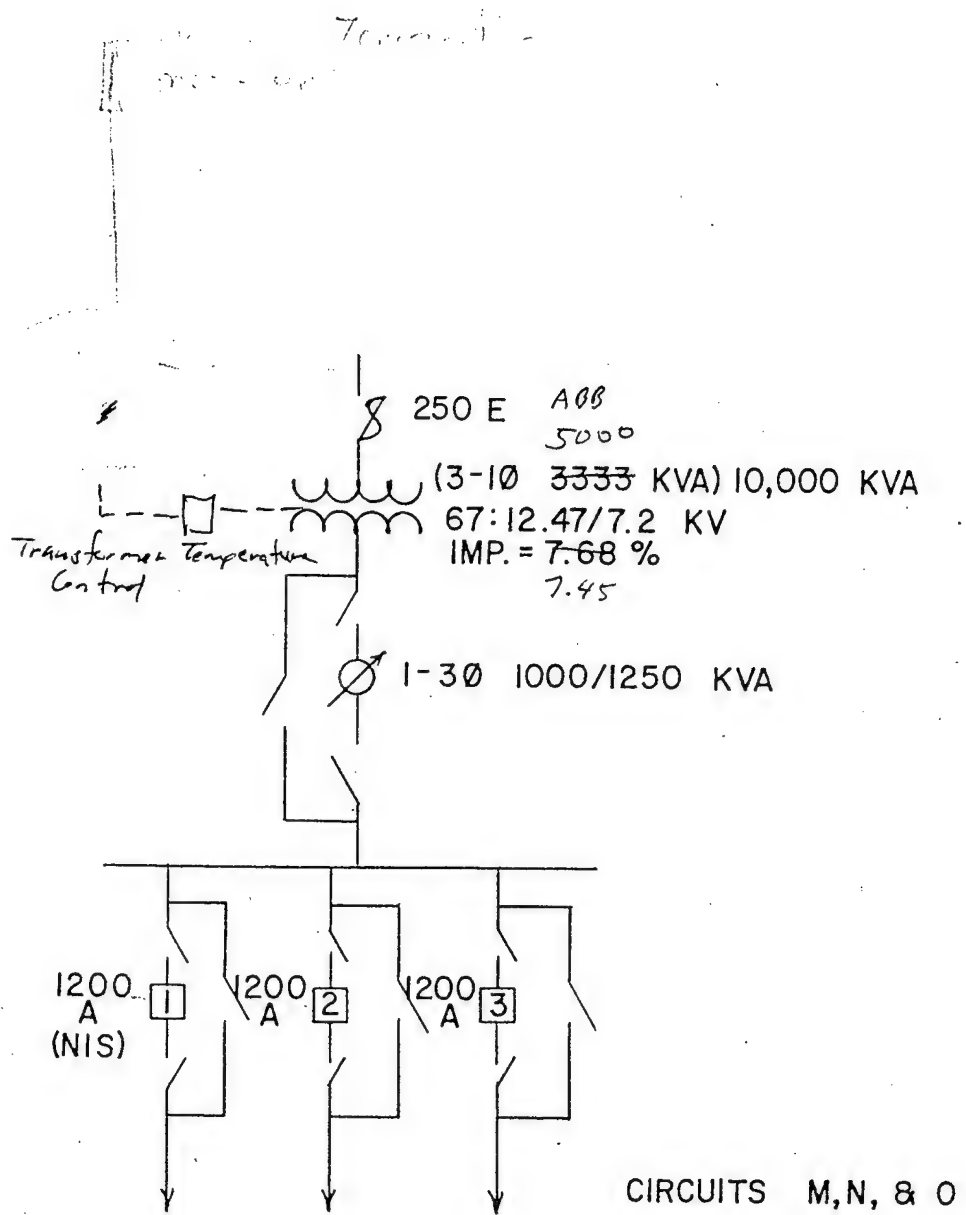
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

**FORT CAMPBELL, KENTUCKY**  
**SUBSTATION SWITCHING ARRANGEMENT**

**CAMPBELL ARMY**  
**AIRFIELD SUBSTATION 5**

DRAWING NO.



*No CT's  
as per  
existing.*

*Picture # 1 & 2*



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

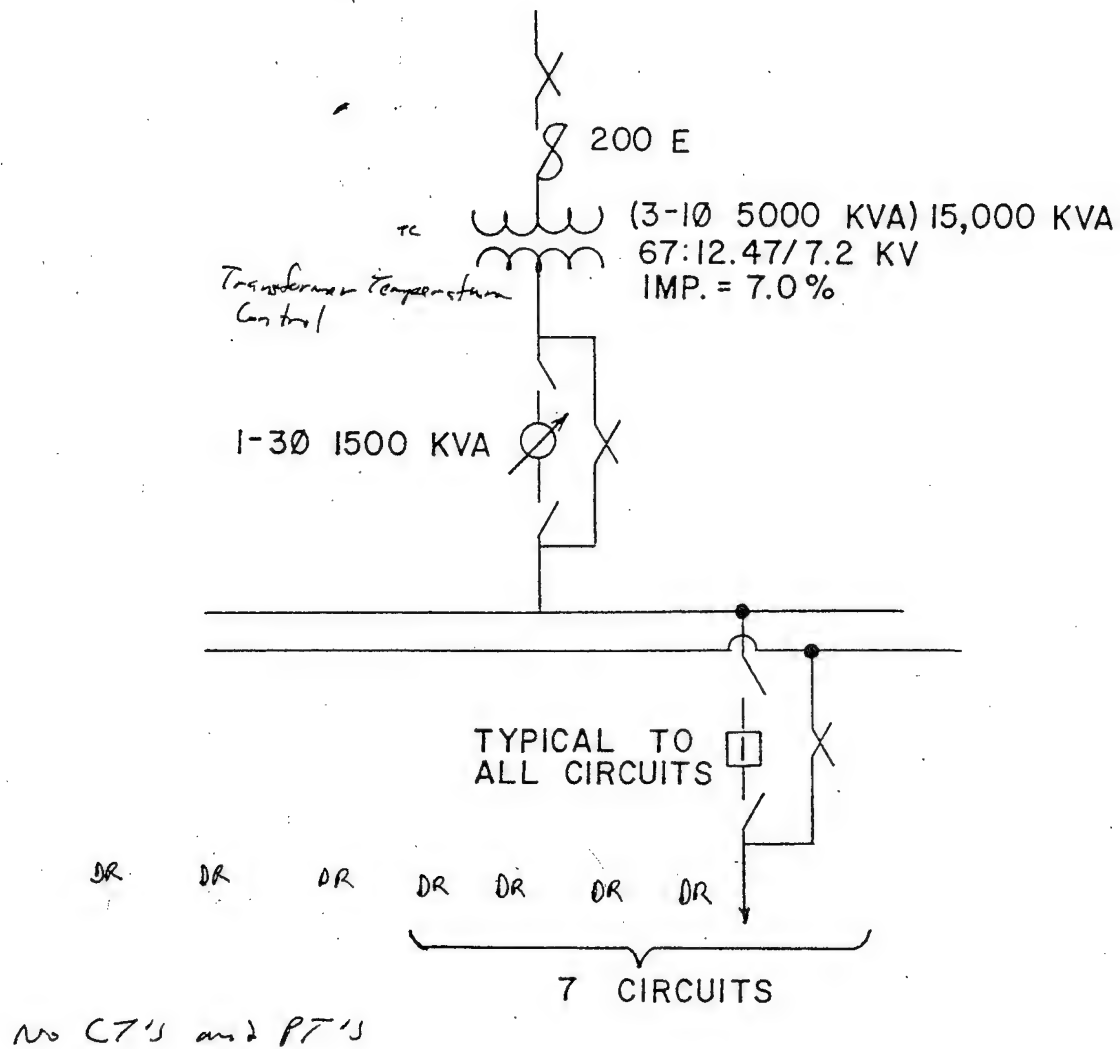
**FORT CAMPBELL, KENTUCKY**  
SUBSTATION SWITCHING ARRANGEMENT

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

14TH & OHIO SUBSTATION 6

DRAWING NO.





CIRCUITS P,Q,R,S,T,U, & V

Picture #3

**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

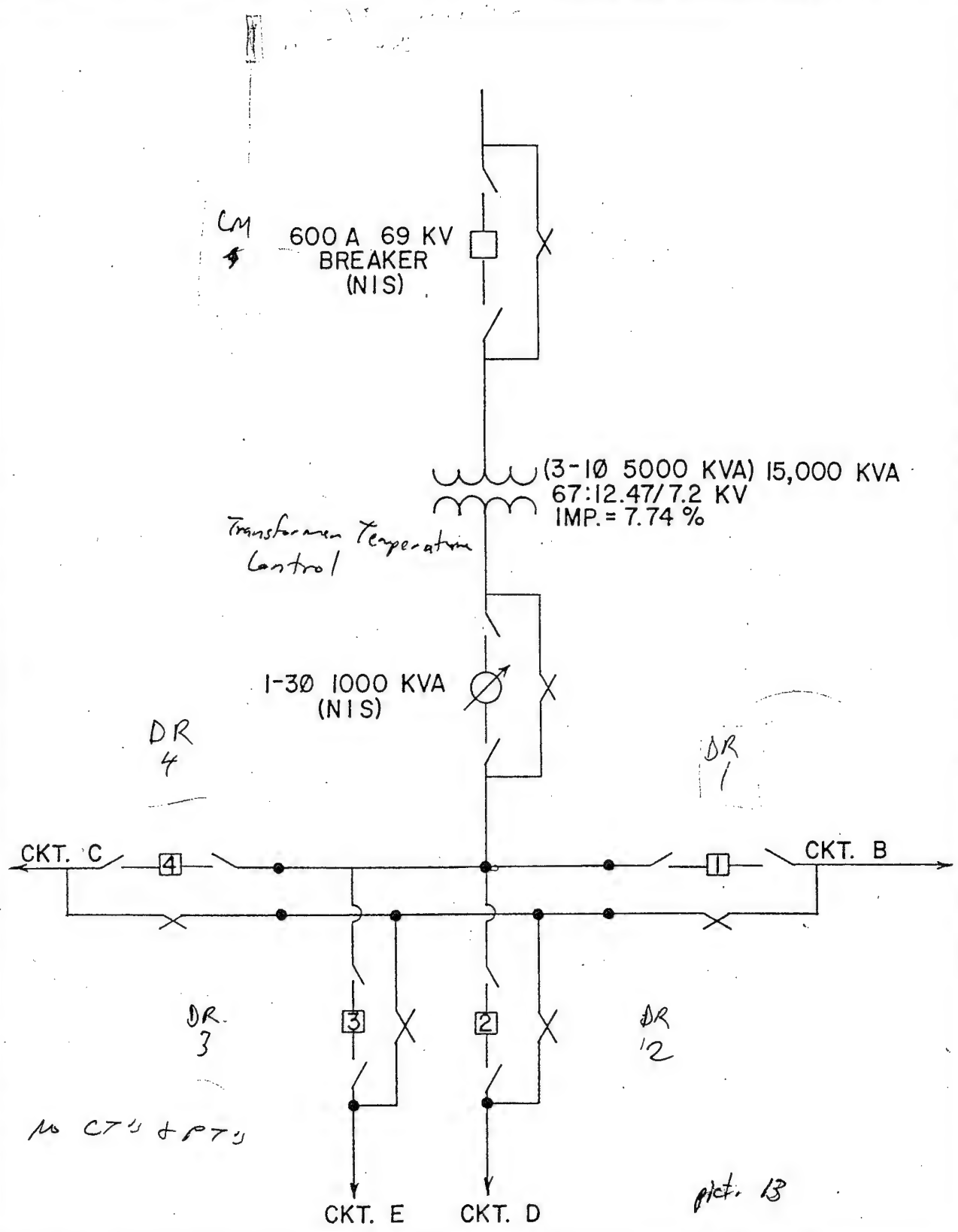
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY  
SUBSTATION SWITCHING ARRANGEMENT

29TH & OHIO SUBSTATION 7

DRAWING NO.



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

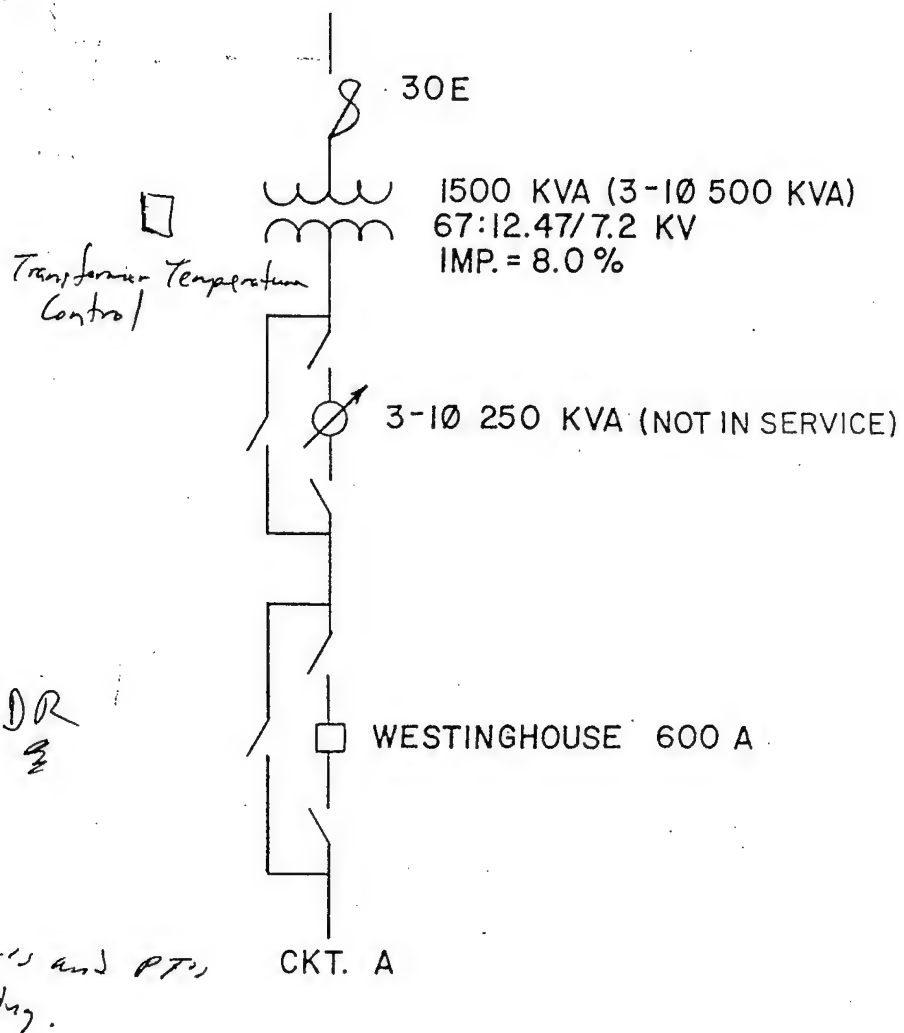
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

# FORT CAMPBELL, KENTUCKY SUBSTATION SWITCHING ARRANGEMENT

IITH & KANSAS SUBSTATION 2

DRAWING NO.



**ALLEN & HOSHALL**  
ENGINEERS ARCHITECTS CONSULTANTS

Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY  
SUBSTATION SWITCHING ARRANGEMENT

CLARKSVILLE SUBSTATION 1

DRAWING NO.

# ANALYSIS OF FORT CAMPBELL ELECTRICAL DISTRIBUTION SYSTEM

## EXHIBIT IV-1 SUMMARY OF SUBSTATION CAPACITY AND LOADING

SUBSTATION NO.	SUBSTATION	NAMEPLATE RATING MVA(1)	RATED VOLTAGE-KV(1)	1984 SUMMER PEAK LOADING-MVA(2)	LOAD AS A % OF NAMEPLATE RATING	NO. OF FEEDER BREAKERS
1	Clarksville Base	3 - 5/.6710	67:12.47	2.417	120%	1
2	11th & Kansas	3 - 5/6.25 10	67:12.47	6.465	34%	4
3	Woodlawn Road	3 - 2.5 10	67:12.47	3.500	47%	2
4	46th & Kansas	3 - 5/6.25 10	67:12.47	13.035	70%	3
5	Campbell Airfield	3 - 1.67 10	67:12.47	2.597	52%	2
6	14th & Ohio	2 - 3.3/4.16 10 1 - 2.5 10	67:12.47	4.761	63%	3
7	29th & Ohio	3 - 5/6.26 10	67:12.47	12.340	66%	7
8	Flight Simulator	4 - 5/6.26 10	67:12.47	--	--	4
	Edgote	4 - 20/26.6 10	88.9:39.8:13.2	58.400	73%(3)	2

(1) From Transformer Nameplate Data

(2) Calculated from connected distribution transformer KVA

(3) From TVA Meter Data 43.1 MVA for Fort Campbell, 7.5 MVA for P.R.E.C.C. and 7.8 MVA for Clarksville Electric Department

*No major equipment changes at has been done.  
new feeder was added to the airfield Substation.*

51-2-2

[illegible]

✓✓	1746	Water Treatment Plant	N	700 KW
✓	1565	Lift Station at Cole Park	Y	100 KW
✓✓	2575	Fire Station #1	N	100 KW
✓	30	M.P. Station	N	12 KW
✓	95	Signal BLD.	N	350 KW
✓	6226	42nd and Tennessee	N	125 KW
✓	3840	Lift Station at the Circle	Y	12.5 KW
✓	7109	A.S.A.R.	N	100 KW
✓	7297	Glidescope	N	15 KW
	7169A	P.O.L. Libby <i>Pumph - 1</i>		100 KW
✓	7168	Night Lighting Vault (inside)	Y	100 KW
✓	7168	Night Lighting Vault (outside)	Y	175 KW
✓	7168	P.O.L. Behind the <i>pwp. #2</i> vault bld.		
✓	A7163	Base Operation	N	60 KW
✓	7160	Fire Station #3		50 KW
✓	7164	RAPCON	N	100 KW
✓	<del>7156</del> Wht	White Telephone Bld behind HGR		80 KW
✓	7153	Deluge Motor		
✓	7153	Deluge Motor		
✓	7153	Deluge Motor		
	A7140	Main P.O.L. Storage		60 KW
✓	7202	<del>Receiver Site</del> <i>Transmitter</i>	N	30 KW
✓	7227	160th Headquarters Bld.	N	750 KW
✓	7293	TACAN (out of service)		30 KW
✓	A7230	Destiny Runway Lights	Y	30 KW
✓	7212	Destiny Control Tower		135 KW
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7221	Destiny Lift Station	Y	50 KW
✓	7201	Localizer	N	7.5 KW

## 67 EMERGENCY

1565 CAT No. Pilot —

3840 lift station

7297

\* 7169A

manual start

\* 7167

"

A 7163

7164

CAT with reg. control

7153 (3)

\* A 7140

manual start

7212

7219 (4) deluge pump

7221

7543

7541

7703

7735

6643

6623 (3)

PA 6628

6628

middle marks -

outer marker.

ONAN

+ 13 future

2525 in & chaffer

need  
\* replace

replace +

need  
TF

King Fisher

back up system available at  
police station

style zone. album

Rollin sign

in 4 year old

all billing

3 use

sign

Album

Test

Haz Mat

quest Main. 0128



# ECONOLITE anheim, CA

Main switch ON/OFF

signal ON/OFF

AUTO/FLASH

AUTO/MANUAL

Driver type.

12 Breakout segment.

Buck handle all control system.

Micro processor control (Total of 4)

15 lights

induction loop.

infra red.

next 0-year.

DOT method.

Boiling Spring.

High Pressure.

300 HP 34

Frame 5000 P TYPE HU

Designation F

460 V, 341 A

SP 1.15 1.775 RPM.

Mueller Pump

model BAAE.4A

GPM 3500

FT HD 260

3 Total

no // capability.

WATER PLANT GEN

690 KW 862.5 KVA

PR OFF

2400 V 252 A

} AC Gen  
STAMFORD

CAT ENGR 3512.

Power 1047 HP

781 KW

AR NO. 8N580C

POWER SPEC 076027

## 67 EMERGENCY

1565 CAT no photo —  
3840 lift station.

7297

\* 7169A

manual start

\* 7167

u

A 7163

7164

AT with regen-control

7153 (3)

\* A 7140

manual start

7212

7219 (4)

drillage pump

7221

7543

7541

7703

7735

6643

6623 (3)

PA 6628

6628

middle marker

outer marker

ONAN

7160

7168

175 KW

+ 13 future EM for lift station  
2525 in & chaffer

need  
\* replace

replacement

need to update  
Transfer switch.  
relay problems

Contract Maintenance for UG storage tank.

U.S. Tech Group, Inc.  
Bill Edwards /

Qty 92

Qty 3000

Qty 4000

Gilbarco

Form #1 PA02020160000

Serial # 30117882705001

① Ball Field 18th & Tenth 4 Ball Fields.  
4 - Control circuits -  
GE Lighting Controls.

5 - pole to a field  
8 - lamp on each pole.

② Fryar Stadium

8 pole 6 lamps/pole. open field.

Stadium: 4 pole. 18 lamps/pole.  
75 KV single phase at each pole.

Very old system.  
old. fuse panel

③ Reel Ave Ball Field  
Quartz light  
6 on each pole; 4 poles  
old disconnect switch.

④ 39th & Indiana  
12 pole ~ 4 lamp on each.

---

C

# WATER & WASTE SYSTEM

---

# WATER SYSTEM - Bill Cowell

Two water sources. (Ground water)

Bolting Spring. (1942) 3.5 mile

3 pumps. turbine. 2 - lines.

Remote - start - stop. motor speed.

Ree River (surface water)

3 pump. manual control only.

16" line incoming.

1<sup>st</sup> point aeration.

2<sup>nd</sup> point flash mix. (flocculation)

3<sup>rd</sup> point Sedimentation. pressure filtration.

4<sup>th</sup> point Filtration. (six filter)  
(2 million gal/day per filter)

Most of the time only one pump.

running at same on VSD

5 1/2 MGpm

11 sec delay for pump control

not VSD on all pump. (instead of just one)

load / power 50 sec. delay.

for start by power. (not on auto-take switch).

Communication by tele. line.

PAC - polymer poly Alum Sulf.  
coagulant 1mg/l.

Aqua Mag.

corrosion control.





18 lb/day 55 gal - 24 hr.  
cont the line to prevent rust



4.5 million gal/hr/day.

7.2 mcr. capacity require.

2 - 8 M<sup>3</sup>/day  
2 - 3 M gal/day. } pump to towers

 3 M gal/day.  
 3 M  
 8 M  
 8 M

(Try to maintain = 31.5 ft.)

Chemical flow rate. lb/wr.

Total hour. / pump  
CL<sub>2</sub> 2.13 mg/l.

50 mg/l min at all point on sys

Liquid CL.

pre. manual leak rate 100 lb/24 hr  
post. 20 lb/24 hr

Alarm for CL leak (set @ 3 ppm)

Turbidimeter. read out (8) total  
1 on each filter (at spray + 1 in room  
Lab tronix - manufacture.

Mr. Evan.

- ✓ liquid level lift stations (58)
- ✓ electrical power to station
- ✓ pump run time
- ✓ monitor bypass line (oper flow)

23 shall power liquid level  
20 ~~shall~~ larger power, liquid level, power

Clarifier continuous  
slide pump on timer.  
Recirculation station

In-flow - out flow

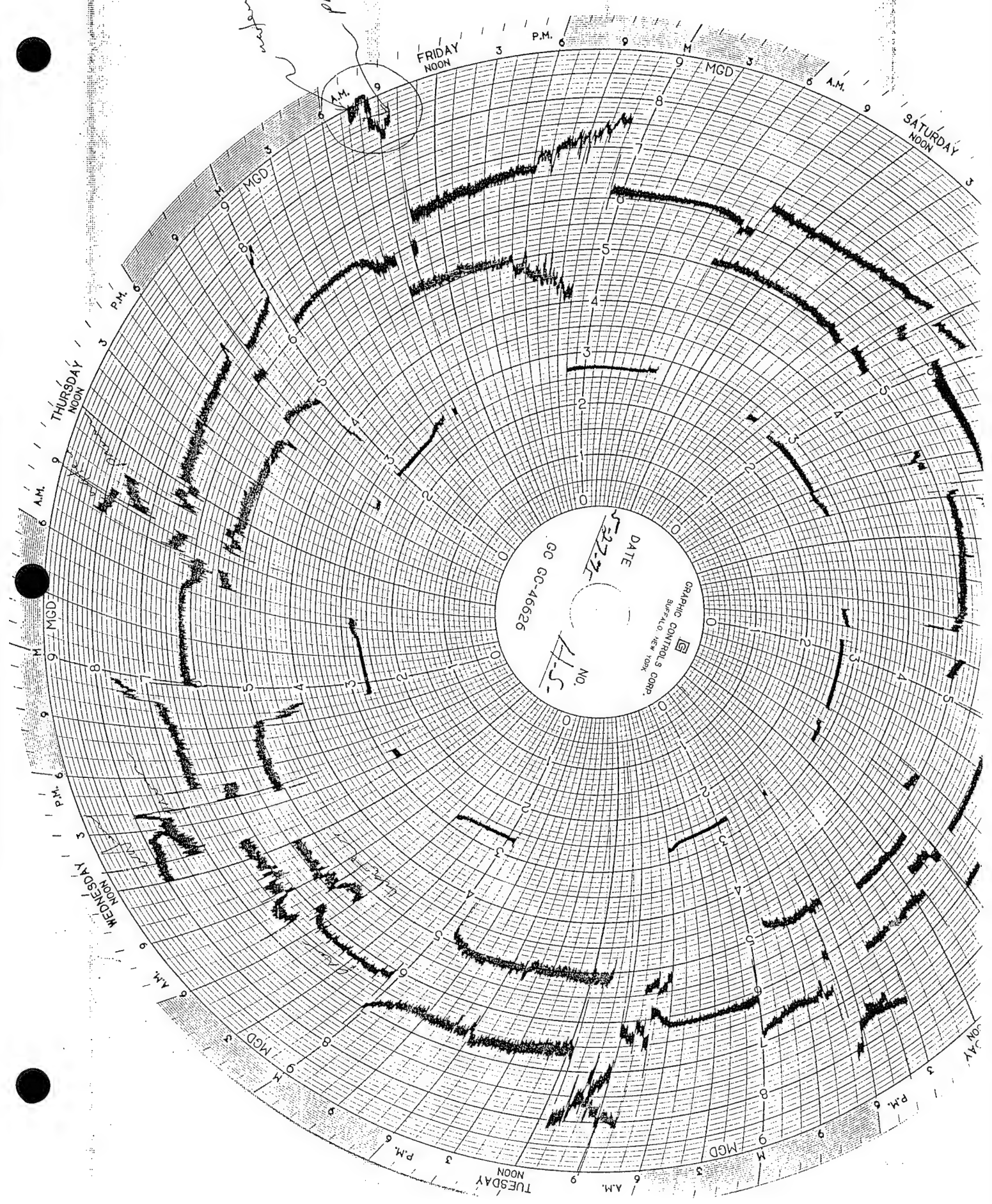
3.2 million gal/day.  
ultrasonic flow meter

7735  
7703  
7604  
7606 small

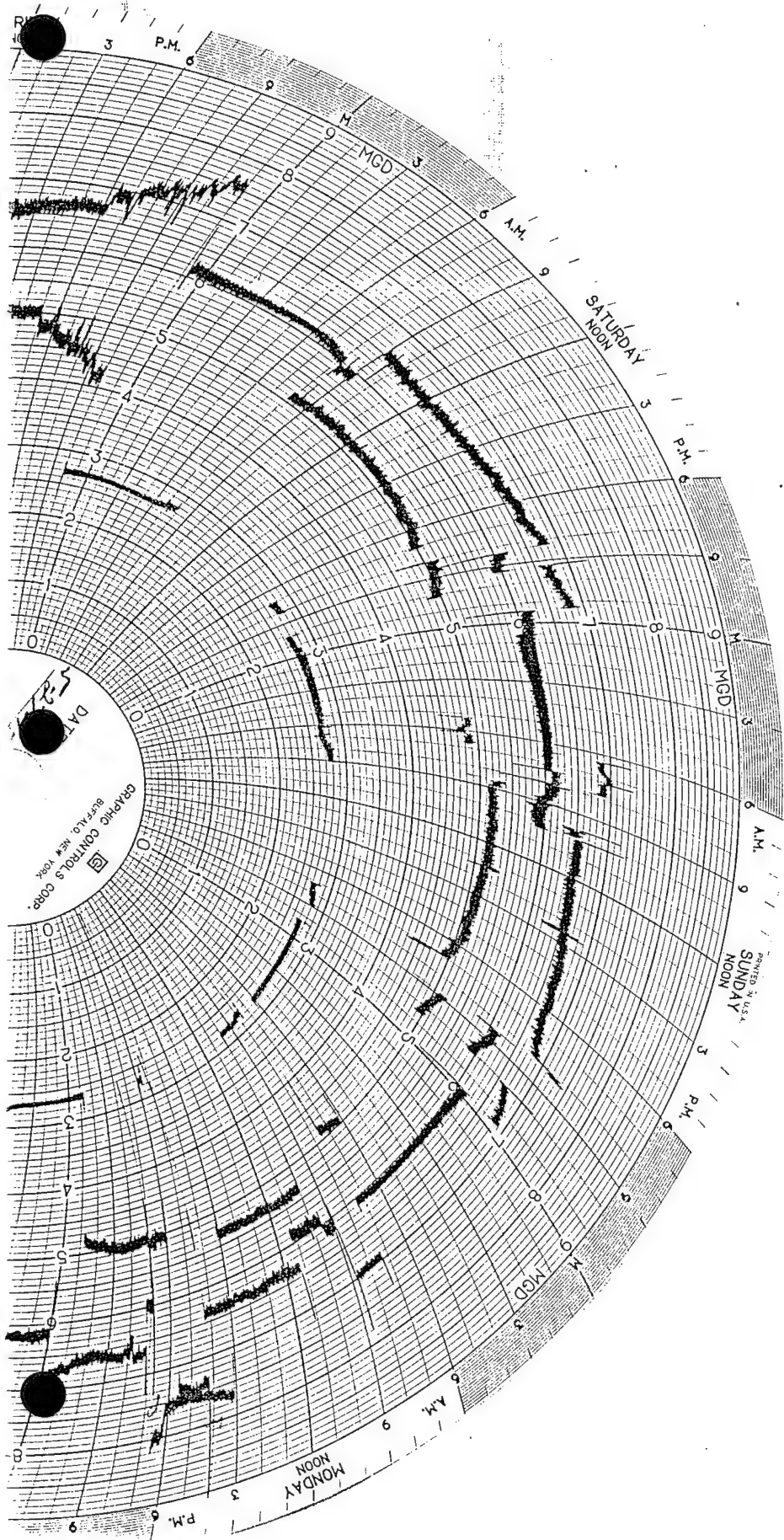
KYE photos

754557

*water pressure*



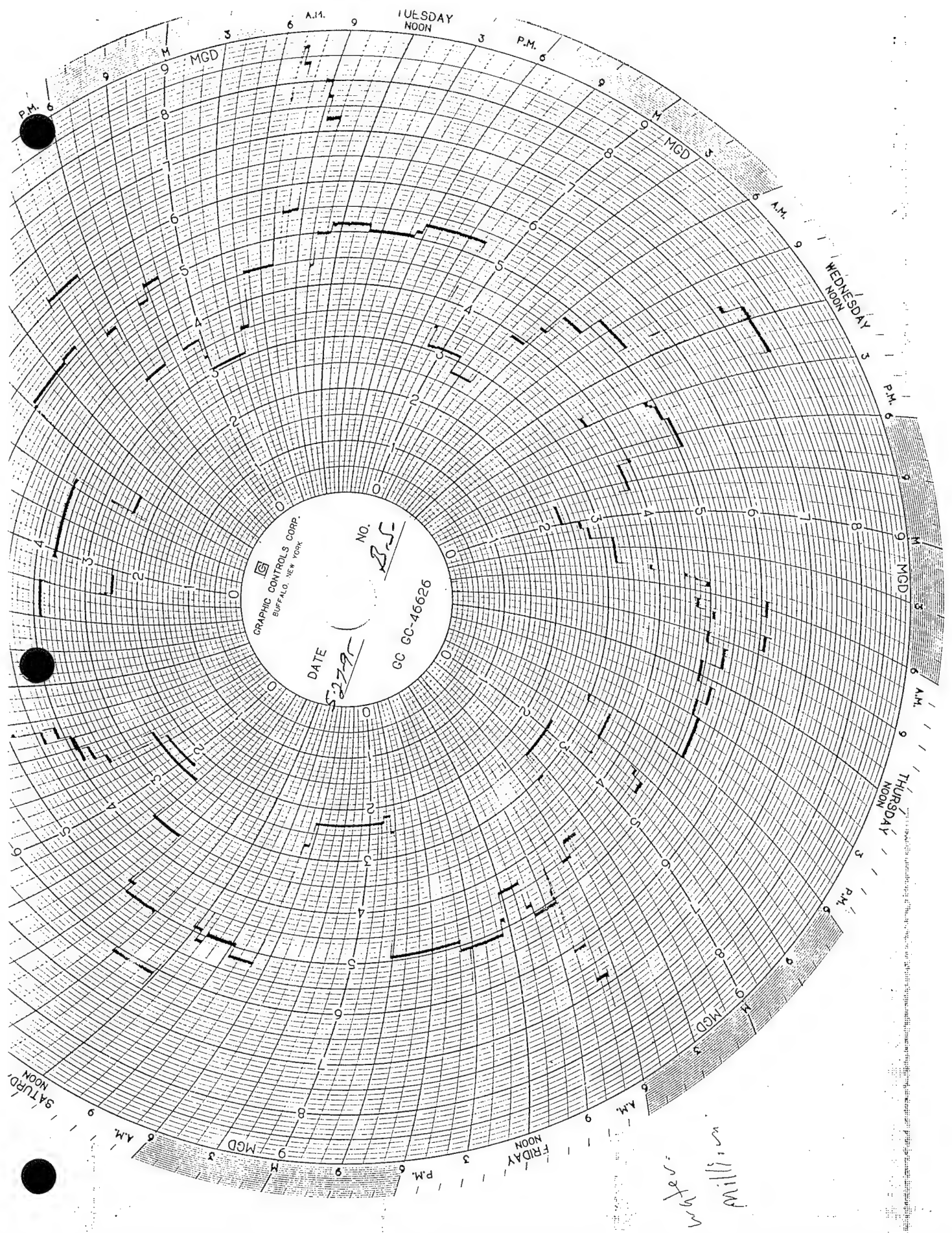
DATE 5-27-75  
NO. 415  
GRAPHIC CONTROLS CORP.  
BUFFALO, NEW YORK  
GO GO-46626



DATE 5-21-54  
GRAPHIC CONTROLS CORP.  
BUFFALO, N.Y. 10210

PRINTED IN U.S.A.  
SUNDAY  
NOON





GRAPHIC CONTROLS CORP.  
BUFFALO, N.Y.

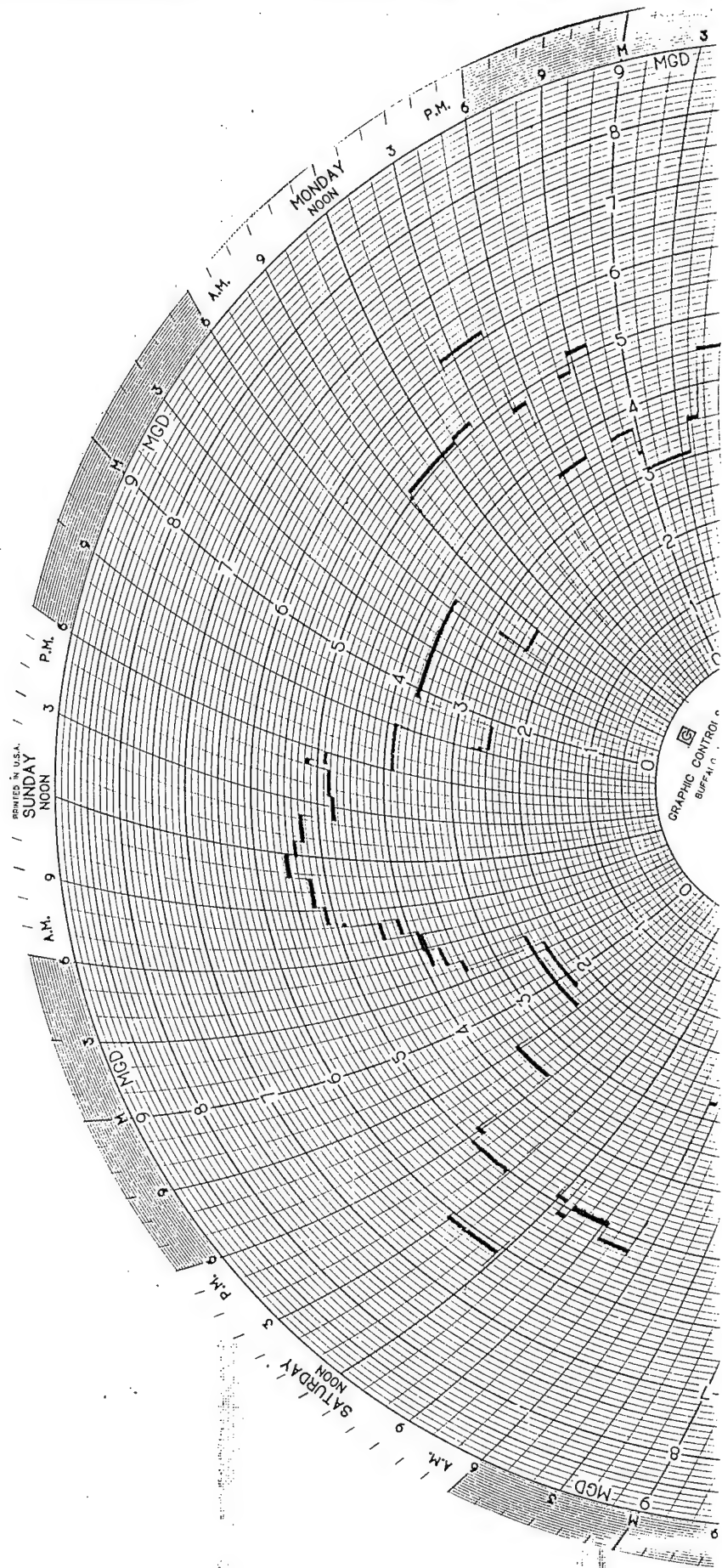
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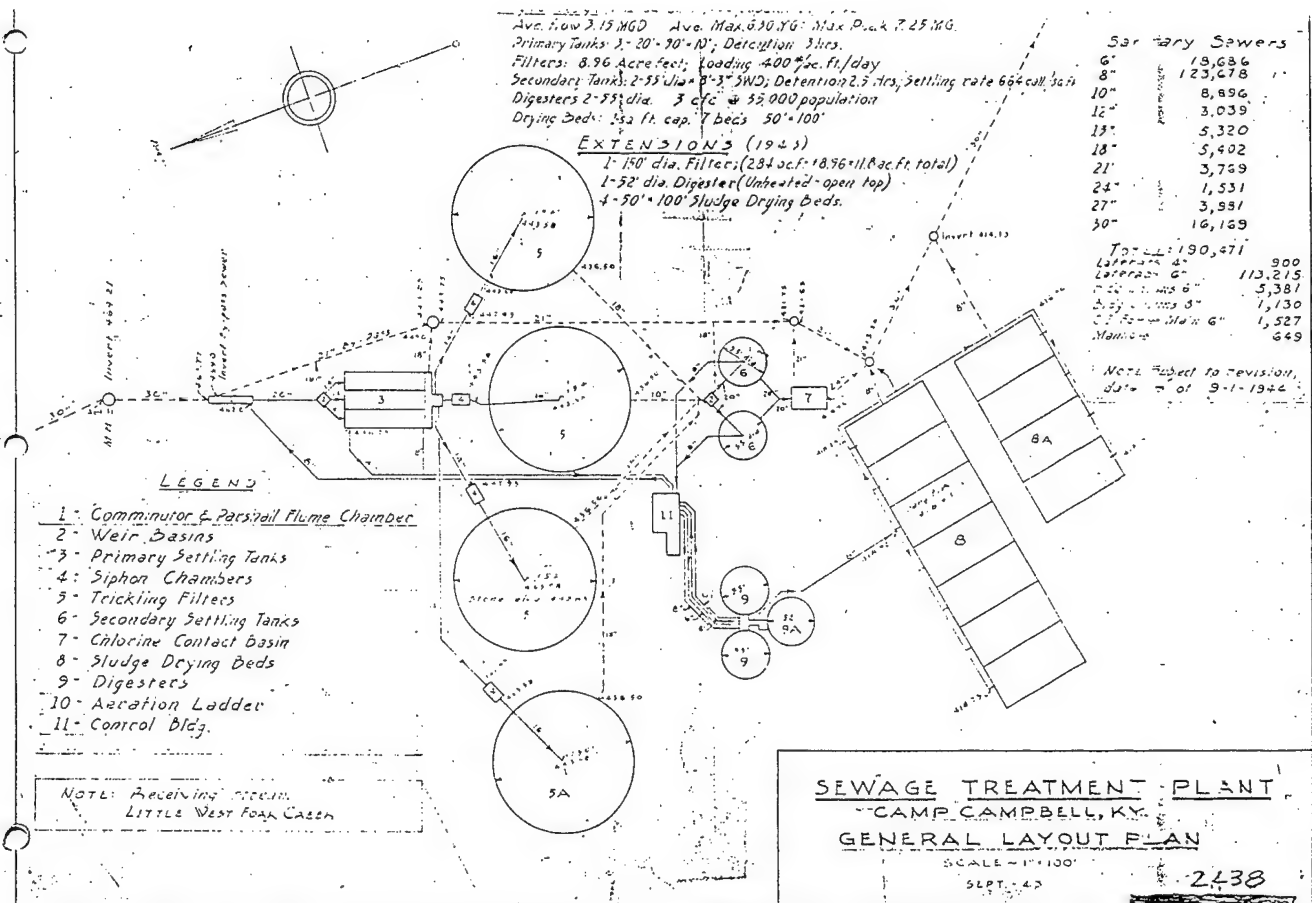
DATE 5/27/95

GC GC-46626

*will  
be  
used*

BAILING SPRINGS





EM x 60 km

# SEWAGE LIFT STATIONS

7081	1.	1043	-----	DRENNEN PARK (41A)	2	3/4	7 1/2
	2.	1199	-----	GATE 2	2		5
	3.	1230	-----	ALASKA AVE. & 11TH STREET	2		7 1/2
	4.	1565	EM	COLE PARK	2		20
	5.	1602	-----	WATER PLANT	2		
	6.	3840	-----	LEE VILLAGE (TRAFFIC CIRCLE)	2	3	
	7.	4355	-----	PIERCE VILLAGE	2		18
	8.	4964	-----	GATE 5	2		5
	9.	5005	-----	HAMMOND HEIGHTS	3	7 1/2	
	10.	5225	-----	RECYCLE CENTER	2		
	11.	A6088	-----	RANGE CENTRAL	5		
	12.	6092	-----	LANDFILL OFFICE		3/4	
	13.	6094	-----	RANGE ROAD	2		
	14.	6095	-----	PUMP HOUSE - NORTH VEHICLE WASH FACILITY			
	15.	6091	-----	PUMP HOUSE - SOUTH VEHICLE WASH FACILITY			
	16.		-----	HIGH SCHOOL	2	2	
	17.	6226	-----	5TH SPECIAL FORCES	2	5	
	18.	6555	-----	584TH MAINTENANCE			
x	19.	6643	EM	OLD ROD AND GUN CLUB	2	20	130
x	20.	A6643	-----	NEW ROD AND GUN CLUB	2	5	
	21.	7085	-----	311TH M.T.			
	22.	7140	-----	BULK FUEL STORAGE	2		
	23.	7144	-----	OASIS WAREHOUSES	2		
	24.	7165	-----	AIRBASE TRANSIENT ALERT BLDG.	2	2	
	25.	7172	-----	OLD AIR BASE	2	7 1/2	
	26.	7221	EM	NEW AIRBASE LIFT STATION	3	10	
	27.	7240	-----	WAREHOUSE	2		
	28.	7271	-----	AVUM HANGER	2	10 & 3	
	29.	7604	-----	FORESTRY	2		
	30.	7606	-----	PESTICIDE BLDG	2		
	31.	7703	EM	GEORGIA ROAD	3	18	
	32.	7735	EM	OHIO ROAD	2	10	
	33.	7862	-----	INSTALLATION MAINTENANCE			
	34.	PSLS11	---	1100 BLOCK	1141-1143✓	1149-1151✓	2 1/2
					1164-1166✓	1186-1188✓	3 3/4
		PSLS38	---	3800 BLOCK	3809-3811✓	3810-3812✓	
					3819-3821✓	3838-3839✓	
		PSLS45	---	4500 BLOCK	4519-4521✓	4550-4552✓	
					4554-4556✓		
		PSLS46	---	4600 BLOCK	4688-4690	4692-4694✓	single pump.
		PSLS49	---	4900 BLOCK	4920-4922✓	4924-4926✓	
					4928-4930✓	4938-4940✓	
					4945-4947✓	4948-4950✓	
					4965-4967✓	4978-4980✓	
					4982-4984✓	4973-4975✓	

POSSA1 CODE FOR COLLECTION SYSTEM  
 POWATI CODE FOR WATER SYSTEM



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# SURVEY NOTES

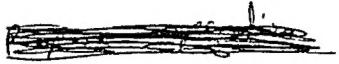
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## Current operation

Mainly ON-OFF operation

Major facility 2-pipe system.

~~See~~



— All capability for Temp. setback for HVAC

— Remote test start for emergency generator (Road & ground branches - Billy Hurst)

— ~~Similar~~ pick up alarm if unit go off line. (Chief Angle 53.)

Remote start-stop. (Judy Hudson O&M)

— Volume & Alarm for VG storage tank.

— Scientific Atlanta for Fm control.

— Erics all hardware. (currently),  
7540 on fiber optic

— ((7)) base substation. 29 MVA. 69 KVA.  
7 feeders 5000 KVA  
Capacitors --

— (15) Traffic light only reset on weekends.  
on trip wire

— Janice Page - for reimbursable customer metering.  
Customer read their own customers.

Fire Alarm on AM System kty Fisher (Chief West or Stacy)

Water plant (Jim Evans)

Upgrade past 3 year. (capacity & speed.)

1 school on Robertshaw system (new)

Red River pump. ~~be~~ put on SCADA system

$\approx 5200$  pts of FM control

Housing

$\approx 100$  Admin facility.

CB is putting new FM system in. (Jim Peterson)